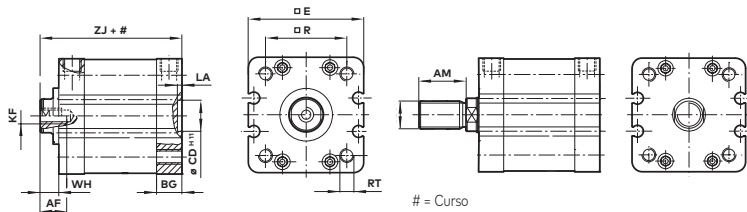


CILINDROS COMPACTOS ISO RA/192000/M

Dupla ação – Ø 20 a 125mm



- » Conforme ISO 21287
- » Êmbolo magnético padrão
- » Baixo atrito, vedações de longa vida útil
- » Sensores podem ser montados embutidos no perfil

Características Técnicas

Fluido:

Ar comprimido, filtrado, lubrificado ou não lubrificado

Operação:

RA/192000/M - Dupla ação, êmbolo magnético, rosca da haste macho, amortecimento fixo
RA/192000/MX - Dupla ação, êmbolo magnético, rosca da haste fêmea, amortecimento fixo

Pressão de operação:

1 a 10 bar

Temperatura de operação:

-5°C a +80°C máx.








Consulte nosso Depto. Técnico para uso abaixo de +2°C.

Dimensões

Diam. Ø	AF	AM	BG	Ø CDH11	E	KF	KK	LA	R	RT	WH	ZJ
20	10	16	12	10	37	M6	M8x1,25	2,5	22	M5	6	43
25	10	16	13	10	41	M6	M8x1,25	2,5	26	M5	6	45
32	12	19	14,5	14	48	M8	M10x1,25	2,5	32,5	M6	7	51
40	12	19	14,5	14	54,5	M8	M10x1,25	2,5	38	M6	7	52
50	16	22	14	18	66	M10	M12x1,25	2,5	46,5	M8	8	53
63	16	22	14	18	76	M10	M12x1,25	2,5	56,5	M8	8	57
80	20	28	15,5	23	96	M12	M16x1,5	3	72	M10	10	64
100	20	28	21,5	26	116	M12	M16x1,5	3	89	M10	10	77
125	30	54	20,5	28	142	M20	M27x2	3	110	M12	18	89

Modelos

Acessórios

HASTE FÊMEA Modelo	HASTE MACHO Modelo	Diam. Ø	Curso	Porca	Haste Ø	Sensor Reed com cabo de 5m integrado	Banjo	Conexão reta	Cotovelo	Kit de reparo
										
RA/192020/MX/5	RA/192020/M/5	20	5	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/10	RA/192020/M/10	20	10	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/15	RA/192020/M/15	20	15	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/20	RA/192020/M/20	20	20	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/25	RA/192020/M/25	20	25	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/30	RA/192020/M/30	20	30	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/40	RA/192020/M/40	20	40	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192020/MX/50	RA/192020/M/50	20	50	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192020/00
RA/192025/MX/5	RA/192025/M/5	25	5	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/10	RA/192025/M/10	25	10	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/15	RA/192025/M/15	25	15	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/20	RA/192025/M/20	25	20	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/25	RA/192025/M/25	25	25	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/30	RA/192025/M/30	25	30	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/40	RA/192025/M/40	25	40	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192025/MX/50	RA/192025/M/50	25	50	M5	10	M/50/LSU/5V	C0K510405	C02250405	C02470405	QM/192025/00
RA/192032/MX/5	RA/192032/M/5	32	5	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00
RA/192032/MX/10	RA/192032/M/10	32	10	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00
RA/192032/MX/15	RA/192032/M/15	32	15	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00
RA/192032/MX/20	RA/192032/M/20	32	20	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00
RA/192032/MX/25	RA/192032/M/25	32	25	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00
RA/192032/MX/30	RA/192032/M/30	32	30	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00
RA/192032/MX/40	RA/192032/M/40	32	40	G1/8	12	M/50/LSU/5V	C0K510618	C02250618	C02470618	QM/192032/00

CILINDROS COMPACTOS RA/192000/M

Dupla ação – Ø 20 a 125mm

Modelos

HASTE FÊMEA Modelo	HASTE MACHO Modelo	Diam. Ø	Curso	Porca	Haste Ø
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Acessórios

Sensor Reed com cabo de 5m integrado	Banjo	Conexão reta	Cotovelo	Kit de reparo
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RA/192032/MX/50	RA/192032/M/50	32	50	G1/8	12	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192032/00
RA/192032/MX/60	RA/192032/M/60	32	60	G1/8	12	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192032/00
RA/192032/MX/80	RA/192032/M/80	32	80	G1/8	12	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192032/00
RA/192032/MX/100	RA/192032/M/100	32	100	G1/8	12	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192032/00
RA/192040/MX/5	RA/192040/M/5	40	5	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/10	RA/192040/M/10	40	10	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/15	RA/192040/M/15	40	15	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/20	RA/192040/M/20	40	20	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/25	RA/192040/M/25	40	25	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/30	RA/192040/M/30	40	30	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/40	RA/192040/M/40	40	40	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/50	RA/192040/M/50	40	50	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/60	RA/192040/M/60	40	60	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/80	RA/192040/M/80	40	80	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192040/MX/100	RA/192040/M/100	40	100	G1/8	16	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192040/00
RA/192050/MX/10	RA/192050/M/10	50	10	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/15	RA/192050/M/15	50	15	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/20	RA/192050/M/20	50	20	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/25	RA/192050/M/25	50	25	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/30	RA/192050/M/30	50	30	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/40	RA/192050/M/40	50	40	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/50	RA/192050/M/50	50	50	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/60	RA/192050/M/60	50	60	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/80	RA/192050/M/80	50	80	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192050/MX/100	RA/192050/M/100	50	100	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192050/00
RA/192063/MX/10	RA/192063/M/10	63	10	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/15	RA/192063/M/15	63	15	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/20	RA/192063/M/20	63	20	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/25	RA/192063/M/25	63	25	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/30	RA/192063/M/30	63	30	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/40	RA/192063/M/40	63	40	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
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RA/192063/MX/60	RA/192063/M/60	63	60	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/80	RA/192063/M/80	63	80	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192063/MX/100	RA/192063/M/100	63	100	G1/8	20	M/50/LSU/5V	COK510618	CO2250618	CO2470618	QM/192063/00
RA/192080/MX/15	RA/192080/M/15	80	15	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/20	RA/192080/M/20	80	20	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/25	RA/192080/M/25	80	25	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/30	RA/192080/M/30	80	30	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/40	RA/192080/M/40	80	40	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/50	RA/192080/M/50	80	50	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/60	RA/192080/M/60	80	60	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/80	RA/192080/M/80	80	80	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192080/MX/100	RA/192080/M/100	80	100	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192080/00
RA/192100/MX/15	RA/192100/M/15	100	15	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/20	RA/192100/M/20	100	20	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/25	RA/192100/M/25	100	25	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/30	RA/192100/M/30	100	30	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/40	RA/192100/M/40	100	40	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/50	RA/192100/M/50	100	50	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/60	RA/192100/M/60	100	60	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/80	RA/192100/M/80	100	80	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192100/MX/100	RA/192100/M/100	100	100	G1/8	25	M/50/LSU/5V	COK510818	CO2250818	CO2470818	QM/192100/00
RA/192125/MX/15	RA/192125/M/15	125	15	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/20	RA/192125/M/20	125	20	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/25	RA/192125/M/25	125	25	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/30	RA/192125/M/30	125	30	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/40	RA/192125/M/40	125	40	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/50	RA/192125/M/50	125	50	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/60	RA/192125/M/60	125	60	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/80	RA/192125/M/80	125	80	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00
RA/192125/MX/100	RA/192125/M/100	125	100	G1/4	32	M/50/LSU/5V	COK510828	CO2250828	CO2470828	QM/192125/00

Outros cursos disponíveis até 500mm, dependendo do diâmetro do cilindro, ligue para seu Time Norgren. Para informação sobre sensores magnéticos alternativos veja página 35.

Para outros tipos, formatos ou tamanhos de conexão vá até nossa sessão de Conexões na página 188.

Link Norgren

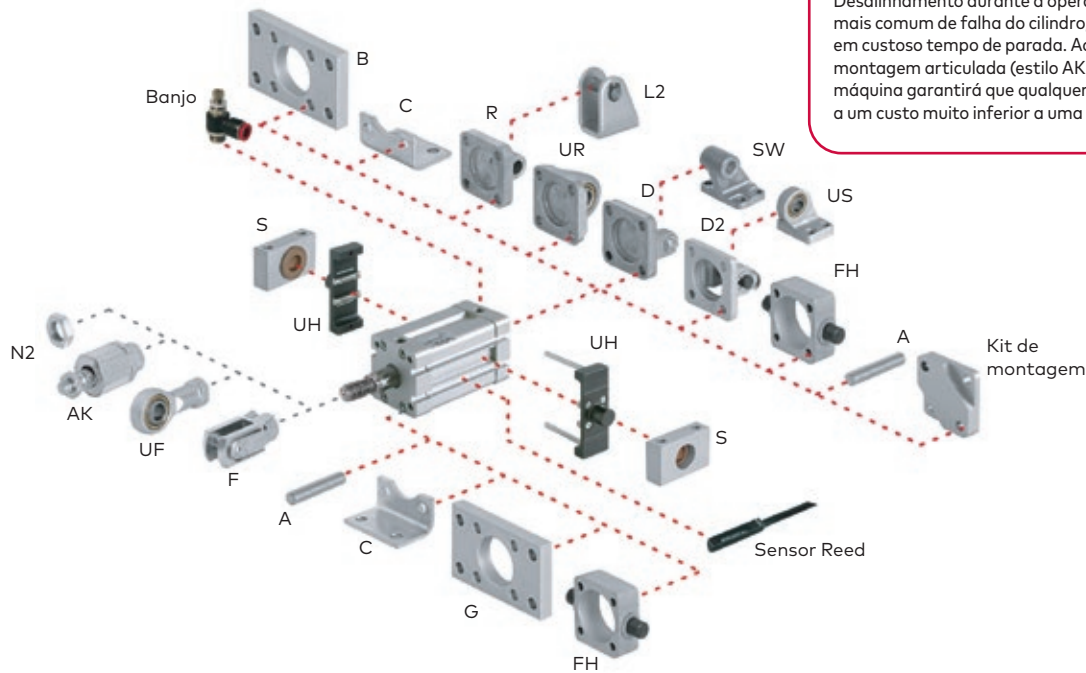
Válvulas...

Com relação as suas diferenças em diâmetros e cursos, avanços na tecnologia de válvulas, resultam que uma válvula de apenas 1/8 é suficiente para operar esta linha completa de cilindros. Procure a série V60 na página 66 para maiores informações sobre a mais simples das soluções, ou fale com a sua equipe Norgren se você tiver requisitos mais complexos.



Montagens para Cilindros Compactos RA/192000/M

- Rosca da haste macho e fêmea
- Apenas para rosca de haste macho



+

Norgren Plus

Montagem AK...

Desalinhamento durante a operação, é a causa mais comum de falha do cilindro, que pode resultar em custoso tempo de parada. Acoplado-se uma montagem articulada (estilo AK) entre a haste e a máquina garantirá que qualquer erro será anulado e a um custo muito inferior a uma quebra da máquina.



Para cilindros com rosca da haste macho e fêmea

Diam. Ø	A	B, G	C	D	D2	FH	L2
20	-	QA/192020/22	QM/192020/21	-	-	-	QM/8020/44
25	-	QA/192025/22	QM/192025/21	-	-	-	QM/8020/44
32	QM/8032/35	QA/8032/22	QA/192032/21	QA/8032/23	QA/8032/42	QA/8032/34	-
40	QM/8032/35	QA/8040/22	QA/192040/21	QA/8040/23	QA/8040/42	QA/8040/34	-
50	QM/8050/35	QA/8050/22	QA/192050/21	QA/8050/23	QA/8050/42	QA/8050/34	-
63	QM/8050/35	QA/8063/22	QA/192063/21	QA/8063/23	QA/8063/42	QA/8063/34	-
80	QM/8080/35	QA/8080/22	QA/192080/21	QA/8080/23	QA/8080/42	QA/8080/34	-
100	QM/8080/35	QA/8100/22	QA/192100/21	QA/8100/23	QA/8100/42	QA/8100/34	-
125	QM/8125/35	QA/8125/22	QM/8125/21	QM/8125/23	QA/8125/42	QA/8125/34	-

Diam. Ø	R	S	SW	UH	UR	US	Kit montagem*
20	QM/192020/27	-	-	-	-	-	QA/192020/55
25	QM/192025/27	-	-	-	-	-	QA/192025/55
32	QA/8032/27	QA/8032/41	M/P19493	PQA/182032/40	QA/8032/33	M/P40310	QA/192032/55
40	QA/8040/27	QA/8040/41	M/P19494	PQA/182040/40	QA/8040/33	M/P40311	QA/192040/55
50	QA/8050/27	QA/8040/41	M/P19495	PQA/182050/40	QA/8050/33	M/P40312	QA/192050/55
63	QA/8063/27	QA/8063/41	M/P19496	PQA/182063/40	QA/8063/33	M/P40313	QA/192063/55
80	QA/8080/27	QA/8063/41	M/P19497	PQA/182080/40	QA/8080/33	M/P40314	QA/192080/55
100	QA/8100/27	QA/8100/41	M/P19498	PQA/182100/40	QA/8100/33	M/P40315	QA/192100/55
125	QM/8125/27	QA/8100/41	M/P19499	PQA/182125/40	QM/8125/33	M/P71355	QA/192125/55

* Para conectar 2 cilindros similares através do rear end cap

Para cilindros com rosca da haste macho

Diam. Ø	AK	F	N2	UF
20	QM/8020/38	QM/8020/25	M/P1501/60	QM/8020/32
25	QM/8025/38	QM/8025/25	M/P1501/60	QM/8025/32
32	QM/8025/38	QM/8025/25	M/P1501/89	QM/8025/32
40	QM/8040/38	QM/8040/25	M/P1501/89	QM/8040/32
50	QM/8050/38	QM/8050/25	M/P1501/90	QM/8050/32
63	QM/8050/38	QM/8050/25	M/P1501/90	QM/8050/32
80	QM/8080/38	QM/8080/25	M/P1501/91	QM/8080/32
100	QM/8080/38	QM/8080/25	M/P1501/91	QM/8080/32
125	QM/8125/38	QM/8125/25	M/P1501/105	QM/8125/32

+

Norgren Plus

Necessita de uma haste anti-giro?

Temos três versões disponíveis, incluindo uma guia de deslizamento de precisão montada externamente.

