

Cuscinetto cilindrico



MET Bronzo sinterizzato autolubrificante

- Cuscinetto in bronzo

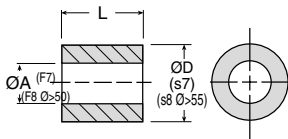
- Materiale:

Bronzo BP25 / Sint A50/A51

- Velocità lineare max: 6m/s

- T° d'utilizzo: da -5°C a +90°C

- Olio di saturazione: ISO 100



SCONTI PER QUANTITÀ

Qtà	1+	10+	25+	50+	200+
Sc.		Prezzo-20%	-30%	-40%	Su richiesta

Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. 1 a 9
MET2-5-2	2	5	2	-	0,69 €
MET2-5-3	2	5	3	✓	0,69 €
MET3-6-4	3	6	4	✓	0,74 €
MET3-6-10	3	6	10	✓	0,83 €
MET4-7-4	4	7	4	✓	0,78 €
MET4-7-8	4	7	8	✓	0,83 €
MET4-7-12	4	7	12	✓	0,97 €
MET4-8-4	4	8	4	✓	0,78 €
MET4-8-8	4	8	8	✓	0,87 €
MET4-8-12	4	8	12	✓	1,07 €
MET5-8-5	5	8	5	✓	0,78 €
MET5-8-8	5	8	8	✓	0,87 €
MET5-8-10	5	8	10	✓	0,87 €
MET5-8-12	5	8	12	✓	0,97 €
MET5-8-16	5	8	16	✓	1,12 €
MET5-9-4	5	9	4	-	0,83 €
MET5-9-5	5	9	5	✓	0,83 €
MET5-9-8	5	9	8	✓	0,97 €
MET6-9-6	6	9	6	✓	0,83 €
MET6-9-10	6	9	10	✓	0,97 €
MET6-9-12	6	9	12	✓	1,03 €
MET6-9-16	6	9	16	✓	1,12 €
MET6-10-6	6	10	6	✓	0,87 €
MET6-10-10	6	10	10	✓	1,07 €
MET6-10-12	6	10	12	✓	1,12 €
MET6-10-16	6	10	16	✓	1,30 €

Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. 1 a 9
MET6-12-6	6	12	6	-	1,07 €
MET6-12-10	6	12	10	✓	1,34 €
MET6-12-12	6	12	12	-	1,49 €
MET6-12-16	6	12	16	✓	1,68 €
MET7-10-5	7	10	5	✓	0,83 €
MET7-10-8	7	10	8	✓	0,97 €
MET7-10-10	7	10	10	✓	0,97 €
MET8-11-8	8	11	8	✓	0,97 €
MET8-11-12	8	11	12	✓	1,07 €
MET8-11-16	8	11	16	✓	1,25 €
MET8-11-20	8	11	20	✓	1,44 €
MET8-12-8	8	12	8	✓	1,07 €
MET8-12-12	8	12	12	✓	1,25 €
MET8-12-16	8	12	16	✓	1,44 €
MET8-12-20	8	12	20	✓	1,59 €
MET8-14-8	8	14	8	-	1,30 €
MET8-14-12	8	14	12	✓	1,54 €
MET8-14-16	8	14	16	✓	1,86 €
MET8-14-20	8	14	20	-	Su richiesta
MET9-12-6	9	12	6	-	Su richiesta
MET9-12-10	9	12	10	-	Su richiesta
MET9-12-14	9	12	14	-	Su richiesta
MET10-13-10	10	13	10	✓	1,12 €
MET10-13-16	10	13	16	✓	1,39 €
MET10-13-20	10	13	20	✓	1,49 €
MET10-13-25	10	13	25	✓	1,72 €

*Nei limiti delle disponibilità - Dimensioni in mm

SCONTI PER QUANTITÀ

Qtà	1+	10+	25+	50+	200+
	Sc.	Prezzo -20%	-30%	-40%	Su richiesta

Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. 1 a 9	Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. 1 a 9
MET10-14-10	10	14	10	✓	1,25 €	MET16-20-16	16	20	16	✓	2,06 €
MET10-14-16	10	14	16	✓	1,63 €	MET16-20-20	16	20	20	✓	2,43 €
MET10-14-20	10	14	20	✓	1,77 €	MET16-20-25	16	20	25	✓	2,94 €
MET10-14-25	10	14	25	✓	2,00 €	MET16-20-32	16	20	32	✓	3,55 €
MET10-15-10	10	15	10	✓	1,39 €	MET16-22-16	16	22	16	✓	2,99 €
MET10-15-16	10	15	16	✓	1,72 €	MET16-22-20	16	22	20	✓	3,60 €
MET10-15-20	10	15	20	✓	2,06 €	MET16-22-25	16	22	25	✓	4,40 €
MET10-15-25	10	15	25	✓	2,47 €	MET16-22-32	16	22	32	✓	5,29 €
MET10-16-10	10	16	10	✓	1,54 €	MET18-22-18	18	22	18	✓	2,43 €
MET10-16-16	10	16	16	✓	2,06 €	MET18-22-22	18	22	22	✓	2,90 €
MET10-16-20	10	16	20	✓	2,47 €	MET18-22-28	18	22	28	-	Su richiesta
MET10-16-25	10	16	25	✓	2,99 €	MET18-22-36	18	22	36	-	Su richiesta
MET12-15-12	12	15	12	✓	1,25 €	MET18-24-18	18	24	18	-	Su richiesta
MET12-15-16	12	15	16	✓	1,54 €	MET18-24-22	18	24	22	✓	4,31 €
MET12-15-20	12	15	20	✓	1,63 €	MET18-24-28	18	24	28	-	Su richiesta
MET12-15-25	12	15	25	✓	1,81 €	MET18-24-36	18	24	36	-	Su richiesta
MET12-16-12	12	16	12	✓	1,54 €	MET18-25-18	18	25	18	-	4,21 €
MET12-16-16	12	16	16	✓	1,72 €	MET18-25-22	18	25	22	-	Su richiesta
MET12-16-20	12	16	20	✓	2,00 €	MET18-25-28	18	25	28	-	Su richiesta
MET12-16-25	12	16	25	✓	2,33 €	MET18-25-36	18	25	36	-	Su richiesta
MET12-17-12	12	17	12	✓	1,68 €	MET20-24-16	20	24	16	✓	2,38 €
MET12-17-16	12	17	16	✓	2,00 €	MET20-24-20	20	24	20	✓	2,90 €
MET12-17-20	12	17	20	-	Su richiesta	MET20-24-25	20	24	25	✓	3,37 €
MET12-17-25	12	17	25	-	Su richiesta	MET20-24-32	20	24	32	✓	4,40 €
MET12-18-12	12	18	12	✓	1,86 €	MET20-25-16	20	25	16	✓	2,94 €
MET12-18-16	12	18	16	✓	2,38 €	MET20-25-20	20	25	20	✓	3,60 €
MET12-18-20	12	18	20	✓	2,90 €	MET20-25-25	20	25	25	✓	3,41 €
MET12-18-25	12	18	25	✓	3,50 €	MET20-25-32	20	25	32	-	Su richiesta
MET14-18-14	14	18	14	✓	1,72 €	MET20-26-16	20	26	16	✓	3,50 €
MET14-18-18	14	18	18	✓	2,00 €	MET20-26-20	20	26	20	✓	4,31 €
MET14-18-22	14	18	22	✓	2,38 €	MET20-26-25	20	26	25	-	Su richiesta
MET14-18-28	14	18	28	-	Su richiesta	MET20-26-32	20	26	32	✓	6,08 €
MET14-20-14	14	20	14	✓	2,33 €	MET20-27-16	20	27	16	-	Su richiesta
MET14-20-18	14	20	18	✓	2,90 €	MET20-27-20	20	27	20	-	Su richiesta
MET14-20-22	14	20	22	✓	3,50 €	MET20-27-25	20	27	25	-	Su richiesta
MET14-20-28	14	20	28	✓	4,35 €	MET20-27-32	20	27	32	-	Su richiesta
MET15-19-16	15	19	16	✓	1,96 €	MET20-28-16	20	28	16	✓	4,63 €
MET15-19-20	15	19	20	✓	2,28 €	MET20-28-20	20	28	20	✓	5,52 €
MET15-19-25	15	19	25	✓	2,80 €	MET20-28-25	20	28	25	-	Su richiesta
MET15-19-32	15	19	32	-	Su richiesta	MET20-28-32	20	28	32	-	Su richiesta
MET15-21-16	15	21	16	✓	2,80 €	MET22-27-18	22	27	18	✓	9,91 €
MET15-21-20	15	21	20	✓	3,37 €	MET22-27-22	22	27	22	-	Su richiesta
MET15-21-25	15	21	25	✓	4,12 €	MET22-27-28	22	27	28	-	5,15 €
MET15-21-32	15	21	32	✓	5,25 €	MET22-27-36	22	27	36	-	Su richiesta

*Nei limiti delle disponibilità - Dimensioni in mm

Cuscinetto cilindrico



MET Bronzo sinterizzato autolubrificante

- Cuscinetto in bronzo

- Materiale:

Bronzo BP25 / Sint A50/A51

- Velocità lineare max: 6m/s

- T° d'utilizzo: da -5°C a +90°C

- Olio di saturazione: ISO 100



SCONTI PER QUANTITÀ

Qtà	1+	10+	25+	50+	200+
Sc.	Prezzo	-20%	-30%	-40%	Su richiesta

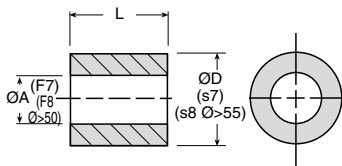
Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. da 1 a 9
MET22-28-18	22	28	18	-	Su richiesta
MET22-28-22	22	28	22	✓	4,91 €
MET22-28-28	22	28	28	-	6,19 €
MET22-28-36	22	28	36	-	Su richiesta
MET22-29-18	22	29	18	-	Su richiesta
MET22-29-22	22	29	22	-	Su richiesta
MET22-29-28	22	29	28	-	Su richiesta
MET22-29-36	22	29	36	-	Su richiesta
MET25-30-20	25	30	20	✓	4,25 €
MET25-30-25	25	30	25	✓	5,19 €
MET25-30-32	25	30	32	-	Su richiesta
MET25-30-40	25	30	40	✓	7,59 €
MET25-32-20	25	32	20	✓	5,90 €
MET25-32-25	25	32	25	-	7,40 €
MET25-32-32	25	32	32	✓	8,53 €
MET25-32-40	25	32	40	✓	10,54 €
MET28-32-22	28	32	22	-	Su richiesta
MET28-32-28	28	32	28	-	Su richiesta
MET28-32-36	28	32	36	-	Su richiesta
MET28-32-45	28	32	45	-	Su richiesta
MET28-33-22	28	33	22	✓	5,05 €
MET28-33-28	28	33	28	✓	6,23 €
MET28-33-36	28	33	36	-	Su richiesta
MET28-33-45	28	33	45	-	Su richiesta
MET28-36-22	28	36	22	✓	8,10 €
MET28-36-28	28	36	28	-	Su richiesta
MET28-36-36	28	36	36	-	12,09 €
MET28-36-45	28	36	45	-	Su richiesta

SCONTI PER QUANTITÀ

Qtà	1+	10+	25+
Sc.	Prezzo	-20%	Su richiesta

Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. da 1 a 9
MET30-38-24	30	38	24	✓	5,49 €
MET30-38-30	30	38	30	✓	6,57 €
MET30-38-38	30	38	38	✓	8,19 €
MET32-38-20	32	38	20	✓	3,77 €
MET32-38-25	32	38	25	-	Su richiesta
MET32-38-32	32	38	32	✓	5,73 €
MET32-38-40	32	38	40	-	6,89 €
MET32-38-50	32	38	50	-	8,79 €
MET32-40-20	32	40	20	✓	4,94 €
MET32-40-25	32	40	25	-	Su richiesta
MET32-40-32	32	40	32	-	Su richiesta
MET32-40-40	32	40	40	✓	9,41 €
MET32-40-50	32	40	50	-	Su richiesta
MET35-44-22	35	44	22	-	7,16 €
MET35-44-28	35	44	28	-	Su richiesta
MET35-44-35	35	44	35	-	10,85 €
MET35-45-25	35	45	25	-	Su richiesta
MET35-45-35	35	45	35	-	Su richiesta
MET35-45-40	35	45	40	-	Su richiesta
MET35-45-50	35	45	50	-	17,67 €
MET36-42-22	36	42	22	-	Su richiesta
MET36-42-28	36	42	28	-	Su richiesta
MET36-42-36	36	42	36	✓	7,41 €
MET36-42-45	36	42	45	-	Su richiesta
MET36-45-22	36	45	22	-	Su richiesta
MET36-45-28	36	45	28	-	Su richiesta
MET36-45-36	36	45	36	-	Su richiesta
MET36-45-45	36	45	45	-	Su richiesta

*Nei limiti delle disponibilità - Dimensioni in mm



SCONTI PER QUANTITÀ

Qtà	1+	10+	25+
Sc.	Prezzo -20%	Su richiesta	

SCONTI PER QUANTITÀ

Qtà	1+	10+	25+
Sc.	Prezzo -20%	Su richiesta	

Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. da 1 a 9	Codice	ØA (F7/F8)	ØD (s7/s8)	L	Stock*	Prezzo unit. da 1 a 9
MET38-44-25	38	44	25	-	Su richiesta	MET50-56-50	50	56	50	-	Su richiesta
MET38-44-35	38	44	35	✓	8,10 €	MET50-56-63	50	56	63	✓	20,28 €
MET38-44-45	38	44	45	-	Su richiesta	MET50-60-32	50	60	32	-	Su richiesta
MET40-46-25	40	46	25	-	Su richiesta	MET50-60-40	50	60	40	-	Su richiesta
MET40-46-32	40	46	32	✓	7,38 €	MET50-60-50	50	60	50	-	30,89 €
MET40-46-40	40	46	40	-	9,13 €	MET50-60-63	50	60	63	-	Su richiesta
MET40-46-50	40	46	50	✓	11,25 €	MET55-65-40	55	65	40	✓	34,68 €
MET40-50-25	40	50	25	-	Su richiesta	MET55-65-55	55	65	55	-	Su richiesta
MET40-50-32	40	50	32	-	12,81 €	MET55-65-70	55	65	70	-	Su richiesta
MET40-50-40	40	50	40	✓	16,18 €	MET60-70-50	60	70	50	-	Su richiesta
MET40-50-50	40	50	50	-	Su richiesta	MET60-70-60	60	70	60	-	Su richiesta
MET45-51-28	45	51	28	-	7,16 €	MET60-70-90	60	70	90	-	Su richiesta
MET45-51-36	45	51	36	-	Su richiesta	MET60-70-120	60	70	120	-	Su richiesta
MET45-51-45	45	51	45	-	12,05 €	MET60-72-50	60	72	50	-	Su richiesta
MET45-51-56	45	51	56	-	Su richiesta	MET60-72-60	60	72	60	-	Su richiesta
MET45-55-35	45	55	35	-	Su richiesta	MET60-72-70	60	72	70	-	Su richiesta
MET45-55-55	45	55	55	-	Su richiesta	MET60-80-90	60	80	90	-	174,98 €
MET45-55-65	45	55	65	-	Su richiesta	MET60-80-120	60	80	120	-	174,98 €
MET45-56-28	45	56	28	-	Su richiesta	MET63-70-40	63	70	40	-	Su richiesta
MET45-56-36	45	56	36	-	Su richiesta	MET63-70-50	63	70	50	-	Su richiesta
MET45-56-45	45	56	45	-	Su richiesta	MET70-80-90	70	80	90	-	97,46 €
MET45-56-56	45	56	56	-	Su richiesta	MET70-80-120	70	80	120	-	117,81 €
MET50-56-32	50	56	32	-	Su richiesta	MET80-100-120	80	100	120	-	228,66 €
MET50-56-40	50	56	40	-	Su richiesta	MET100-120-120	100	120	120	-	279,55 €

*Nei limiti delle disponibilità - Dimensioni in mm

Cuscinetto a collare



METC Bronzo sinterizzato autolubrificante

- Cuscinetto in bronzo

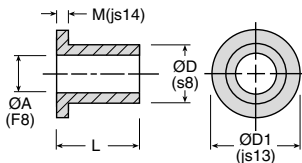
- Materiale:

Bronzo BP25 / Sint A50/A51

- Velocità lineare max: 6m/s

- T° d'utilizzo: da -5°C a +100°C

- Olio di saturazione: ISO 100



SCONTI PER QUANTITÀ

Qtà	1+	10+	25+	50+	200+
Sc.	Prezzo -20%	-30%	-40%	Su richiesta	

Codice	ØA (F8)	ØD (s8)	L	ØD1 (js13)	M (js14)	Prezzo unit. 1 a 9
METC3-6-4	3	6	4	9	1,5	✓ 0,97 €
METC3-6-6	3	6	6	9	1,5	✓ 0,97 €
METC3-6-10	3	6	10	9	1,5	✓ 1,07 €
METC4-8-4	4	8	4	12	2,0	✓ 1,07 €
METC4-8-8	4	8	8	12	2,0	✓ 1,16 €
METC4-8-12	4	8	12	12	2,0	✓ 1,25 €
METC6-10-6	6	10	6	14	2,0	✓ 1,21 €
METC6-10-10	6	10	10	14	2,0	✓ 1,21 €
METC6-10-16	6	10	16	14	2,0	✓ 1,44 €
METC8-12-8	8	12	8	16	2,0	✓ 1,25 €
METC8-12-12	8	12	12	16	2,0	✓ 1,39 €
METC8-12-16	8	12	16	16	2,0	✓ 1,59 €
METC9-14-6	9	14	6	19	2,5	- Su richiesta
METC9-14-10	9	14	10	19	2,5	- Su richiesta
METC9-14-14	9	14	14	19	2,5	✓ 1,81 €
METC10-13-10	10	13	10	16	1,5	✓ 1,25 €
METC10-13-16	10	13	16	16	1,5	✓ 1,49 €
METC10-13-20	10	13	20	16	1,5	✓ 1,63 €
METC10-15-10	10	15	10	20	2,5	✓ 1,68 €
METC10-15-16	10	15	16	20	2,5	✓ 2,06 €
METC10-15-20	10	15	20	20	2,5	✓ 2,38 €
METC10-16-8	10	16	8	22	3,0	✓ 1,72 €
METC10-16-10	10	16	10	22	3,0	✓ 1,96 €
METC10-16-16	10	16	16	22	3,0	✓ 2,57 €

SCONTI PER QUANTITÀ

Qtà	1+	10+	25+	50+	200+
Sc.	Prezzo -20%	-30%	-40%	Su richiesta	

Codice	ØA (F8)	ØD (s8)	L	ØD1 (js13)	M (js14)	Prezzo unit. 1 a 9
METC12-15-12	12	15	12	18	1,5	✓ 1,44 €
METC12-15-16	12	15	16	18	1,5	✓ 1,44 €
METC12-15-20	12	15	20	18	1,5	✓ 1,77 €
METC12-17-12	12	17	12	22	2,5	✓ 1,96 €
METC12-17-16	12	17	16	22	2,5	✓ 2,33 €
METC12-17-20	12	17	20	22	2,5	✓ 2,75 €
METC12-17-25	12	17	25	22	2,5	✓ 3,22 €
METC12-18-8	12	18	8	24	3,0	✓ 1,91 €
METC12-18-12	12	18	12	24	3,0	✓ 2,38 €
METC12-18-20	12	18	20	24	3,0	✓ 3,37 €
METC14-18-14	14	18	14	22	2,0	✓ 1,86 €
METC14-18-18	14	18	18	22	2,0	✓ 2,24 €
METC14-18-22	14	18	22	22	2,0	✓ 2,62 €
METC14-20-14	14	20	14	26	3,0	✓ 2,90 €
METC14-20-18	14	20	18	26	3,0	✓ 3,50 €
METC14-20-22	14	20	22	26	3,0	✓ 3,93 €
METC14-20-28	14	20	28	26	3,0	✓ 4,78 €
METC15-19-16	15	19	16	23	2,0	✓ 2,15 €
METC15-19-20	15	19	20	23	2,0	✓ 2,57 €
METC15-19-25	15	19	25	23	2,0	- Su richiesta
METC15-21-16	15	21	16	27	3,0	✓ 3,37 €
METC15-21-20	15	21	20	27	3,0	- Su richiesta
METC15-21-25	15	21	25	27	3,0	✓ 4,68 €
METC15-21-32	15	21	32	27	3,0	✓ 5,81 €

*Nei limiti delle disponibilità - Dimensioni in mm

SCONTI PER QUANTITÀ

↓	Qtà	1+	10+	25+	50+	200+
	Sc.	Prezzo	-20%	-30%	-40%	Su richiesta

Codice	ØA (F8)	ØD (s8)	L	ØD1 (js13)	M (js14)	Prezzo unit. Stock* 1 a 9
METC16-20-16	16	20	16	24	2,0	✓ 2,28 €
METC16-20-20	16	20	20	24	2,0	✓ 2,71 €
METC16-20-25	16	20	25	24	2,0	✓ 3,13 €
METC16-22-16	16	22	16	28	3,0	✓ 3,60 €
METC16-22-20	16	22	20	28	3,0	✓ 4,25 €
METC16-22-25	16	22	25	28	3,0	✓ 4,87 €
METC16-22-32	16	22	32	28	3,0	✓ 5,76 €
METC18-22-18	18	22	18	26	2,0	✓ 2,71 €
METC18-22-22	18	22	22	26	2,0	- 3,18 €
METC18-22-28	18	22	28	26	2,0	✓ 3,74 €
METC18-24-18	18	24	18	30	3,0	✓ 4,21 €
METC18-24-22	18	24	22	30	3,0	✓ 4,96 €
METC18-24-28	18	24	28	30	3,0	✓ 5,99 €
METC20-24-16	20	24	16	28	2,0	✓ 2,71 €
METC20-24-20	20	24	20	28	2,0	✓ 3,13 €
METC20-24-25	20	24	25	28	2,0	✓ 3,69 €
METC20-26-16	20	26	16	32	3,0	✓ 4,16 €
METC20-26-20	20	26	20	32	3,0	✓ 4,82 €
METC20-26-25	20	26	25	32	3,0	✓ 5,90 €
METC20-26-32	20	26	32	32	3,0	✓ 7,59 €
METC22-27-18	22	27	18	32	2,5	✓ 4,02 €
METC22-27-22	22	27	22	32	2,5	- Su richiesta
METC22-27-28	22	27	28	32	2,5	- Su richiesta
METC22-28-15	22	28	15	34	3,0	✓ 4,12 €
METC22-28-20	22	28	20	34	3,0	✓ 5,29 €
METC22-28-25	22	28	25	34	3,0	- Su richiesta
METC22-28-30	22	28	30	34	3,0	- Su richiesta
METC22-29-18	22	29	18	36	3,5	- Su richiesta
METC22-29-22	22	29	22	36	3,5	- 6,93 €
METC22-29-28	22	29	28	36	3,5	- 8,43 €
METC22-29-32	22	29	32	36	3,5	✓ 9,70 €
METC25-30-20	25	30	20	35	2,5	✓ 4,82 €
METC25-30-25	25	30	25	35	2,5	✓ 5,52 €
METC25-30-32	25	30	32	35	2,5	✓ 6,97 €
METC25-32-20	25	32	20	39	3,5	✓ 7,63 €
METC25-32-25	25	32	25	39	3,5	- Su richiesta
METC25-32-32	25	32	32	39	3,5	✓ 9,84 €
METC28-33-22	28	33	22	38	2,5	- 5,66 €
METC28-33-28	28	33	28	38	2,5	- Su richiesta
METC28-33-36	28	33	36	38	2,5	- Su richiesta
METC28-36-22	28	36	22	44	4,0	- Su richiesta
METC28-36-28	28	36	28	44	4,0	✓ 11,25 €
METC28-36-36	28	36	36	44	4,0	- 13,68 €

*Nei limiti delle disponibilità - Dimensioni in mm

SCONTI PER QUANTITÀ

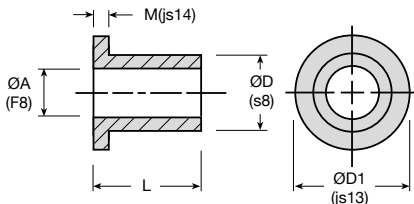
↓	Qtà	1+	10+	25+
	Sc.	Prezzo	-20%	Su richiesta

Codice	ØA (F8)	ØD (s8)	L	ØD1 (js13)	M (js14)	Prezzo unit. Stock* 1 a 9
METC30-38-20	30	38	20	46	4,0	✓ 5,54 €
METC30-38-25	30	38	25	46	4,0	✓ 6,70 €
METC30-38-30	30	38	30	46	4,0	✓ 7,61 €
METC32-38-20	32	38	20	44	3,0	✓ 4,66 €
METC32-38-25	32	38	25	44	3,0	✓ 5,43 €
METC32-38-32	32	38	32	44	3,0	✓ 6,35 €
METC32-40-20	32	40	20	48	4,0	✓ 6,00 €
METC32-40-25	32	40	25	48	4,0	- Su richiesta
METC32-40-30	32	40	30	48	4,0	- 8,25 €
METC32-40-32	32	40	32	48	4,0	✓ 8,49 €
METC36-42-22	36	42	22	48	3,0	✓ 9,04 €
METC36-42-28	36	42	28	48	3,0	✓ 6,70 €
METC36-42-36	36	42	36	48	3,0	- Su richiesta
METC36-45-22	36	45	22	54	4,5	- Su richiesta
METC36-45-28	36	45	28	54	4,5	- Su richiesta
METC36-45-36	36	45	36	54	4,5	- Su richiesta
METC40-46-25	40	46	25	52	3,0	✓ 6,57 €
METC40-46-32	40	46	32	52	3,0	- 8,13 €
METC40-46-40	40	46	40	52	3,0	- 9,97 €
METC40-50-25	40	50	25	60	5,0	- 12,68 €
METC40-50-32	40	50	32	60	5,0	✓ 15,44 €
METC40-50-40	40	50	40	60	5,0	✓ 17,67 €
METC45-51-28	45	51	28	57	3,0	✓ 8,03 €
METC45-51-36	45	51	36	57	3,0	- Su richiesta
METC45-51-45	45	51	45	57	3,0	- Su richiesta
METC45-56-28	45	56	28	67	5,5	- Su richiesta
METC45-56-36	45	56	36	67	5,5	- Su richiesta
METC45-56-45	45	56	45	67	5,5	- Su richiesta
METC50-56-32	50	56	32	62	3,0	- Su richiesta
METC50-56-40	50	56	40	62	3,0	- Su richiesta
METC50-56-50	50	56	50	62	3,0	- Su richiesta
METC50-60-32	50	60	32	70	5,0	✓ 20,06 €
METC50-60-40	50	60	40	70	5,0	✓ 31,54 €
METC50-60-50	50	60	50	70	5,0	- Su richiesta
METC60-70-50	60	70	50	80	5,0	- 75,04 €
METC60-70-60	60	70	60	80	5,0	- Su richiesta

Flanged cylindrical bearing

MEFC Self-lubricating sintered ferrous alloy

- **Ferrous alloy bearing**
- Material:
 - Iron FP20 / Sint A10
- Maximum linear speed: 4m/s
- Operating temp. from -5°C to +90°C
- Impregnation oil: ISO 100



DISCOUNTS

Qty ↓	1+	10+	25+
	Disc.	Net -20%	On request

Part N°	ØA	ØD	L	ØD1	M	Price each 1 to 9
	(F7/F8)	(s7/s8)		(js13)	(js14)	
MEFC6-10-6	6	10	6	14	2	0,96 €
MEFC6-10-10	6	10	10	14	2	1,01 €
MEFC6-10-16	6	10	16	14	2	1,05 €
MEFC8-12-8	8	12	8	16	2	1,01 €
MEFC8-12-12	8	12	12	16	2	1,05 €
MEFC8-12-16	8	12	16	16	2	1,14 €
MEFC10-13-10	10	13	10	16	1,5	1,01 €
MEFC10-13-16	10	13	16	16	1,5	1,05 €
MEFC10-15-10	10	15	10	20	2,5	1,14 €
MEFC10-15-16	10	15	16	20	2,5	1,29 €
MEFC10-15-20	10	15	20	20	2,5	1,51 €
MEFC12-15-12	12	15	12	18	1,5	1,01 €
MEFC12-15-16	12	15	16	18	1,5	1,10 €
MEFC12-15-20	12	15	20	18	1,5	1,14 €
MEFC12-17-12	12	17	12	22	2,5	1,29 €
MEFC12-17-16	12	17	16	22	2,5	1,51 €

All dimensions in mm

B DISCOUNTS



Qty	1+	10+	25+	50+	200+
Disc.	Prix	-20%	-30%	-40%	On request

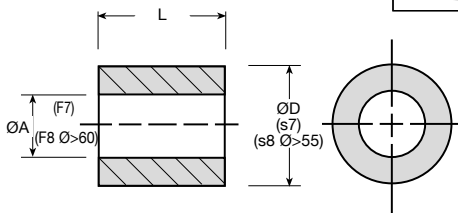
Part N°	ØA (F7/F8)	ØD (s7/s8)	L	ØD1 (js13)	M (js14)	Price each 1 to 9
MEFC14-18-14	14	18	14	22	2	A 1,24 €
MEFC14-18-18	14	18	18	22	2	A 1,42 €
MEFC14-18-22	14	18	22	22	2	A 1,66 €
MEFC16-20-16	16	20	16	24	2	A 1,42 €
MEFC16-20-20	16	20	20	24	2	A 1,66 €
MEFC16-22-16	16	22	16	28	3	A 2,25 €
MEFC16-22-20	16	22	20	28	3	A 2,67 €
MEFC16-22-25	16	22	25	28	3	A 3,04 €
MEFC18-24-18	18	24	18	30	3	A 2,67 €
MEFC18-24-22	18	24	22	30	3	A 3,08 €
MEFC20-24-16	20	24	16	28	2	A 1,79 €
MEFC20-24-20	20	24	20	28	2	A 2,06 €
MEFC20-24-25	20	24	25	28	2	A 2,43 €
MEFC20-26-16	20	26	16	32	3	A 2,62 €
MEFC20-26-20	20	26	20	32	3	A 3,08 €
MEFC20-26-25	20	26	25	32	3	A 3,59 €
MEFC22-29-18	22	29	18	36	3,5	A 3,72 €
MEFC22-29-22	22	29	22	36	3,5	A 4,23 €
MEFC22-29-28	22	29	28	36	3,5	A 4,87 €
MEFC22-29-36	22	29	36	36	3,5	A 5,89 €
MEFC25-30-20	25	30	20	35	2,5	A 3,04 €
MEFC25-30-32	25	30	32	35	2,5	A 4,27 €
MEFC25-32-25	25	32	25	39	3,5	A 5,01 €
MEFC25-32-32	25	32	32	39	3,5	A 6,07 €
MEFC30-38-30	30	38	30	46	4	B 4,85 €
MEFC32-40-20	32	40	20	48	4	B 3,68 €
MEFC32-40-32	32	40	32	48	4	B 5,42 €
MEFC36-45-22	36	45	22	54	4,5	B 5,37 €
MEFC36-45-36	36	45	36	54	4,5	B 8,18 €
MEFC40-50-25	40	50	25	60	5	B 7,70 €
MEFC40-50-32	40	50	32	60	5	B 9,53 €
MEFC40-50-40	40	50	40	60	5	B 10,96 €
MEFC50-60-50	50	60	50	70	5	B 25,68 €
MEFC60-70-50	60	70	50	80	5	B 32,57 €
MEFC60-70-60	60	70	60	80	5	B 30,07 €

All dimensions in mm

Cylindrical bearing

MEF Self-lubricating sintered ferrous alloy

- Ferrous alloy bearing
- Material:
 - Iron FP20 / Sint A10
- Maximum linear speed: 4m/s
- Operating temp. from -5°C to +100°C
- Impregnation oil: ISO 100



DISCOUNTS

Qty	1+	10+	25+	50+	200+
Disc.	Net	-20%	-30%	-40%	On request

Part N°	$\varnothing A$ (F7/F8)	$\varnothing D$ (s7/s8)	L	Price each 1 to 9
MEF3-6-4	3	6	4	0,59 €
MEF3-6-10	3	6	10	0,68 €
MEF6-9-6	6	9	6	0,64 €
MEF6-9-10	6	9	10	0,78 €
MEF6-9-12	6	9	12	0,83 €
MEF6-9-16	6	9	16	0,87 €
MEF6-10-6	6	10	6	0,68 €
MEF6-10-10	6	10	10	0,87 €
MEF6-10-16	6	10	16	0,96 €
MEF6-12-6	6	12	6	0,83 €
MEF8-11-8	8	11	8	0,74 €
MEF8-11-12	8	11	12	0,87 €
MEF8-11-16	8	11	16	0,92 €
MEF8-12-8	8	12	8	0,83 €
MEF8-12-12	8	12	12	0,96 €
MEF8-12-16	8	12	16	1,05 €
MEF8-12-20	8	12	20	1,14 €

All dimensions in mm

Part N°	ØA (F7/F8)	ØD (s7/s8)	L	Price each 1 to 9
MEF10-13-10	10	13	10	0,87 €
MEF10-13-20	10	13	20	1,05 €
MEF10-13-25	10	13	25	1,20 €
MEF10-14-10	10	14	10	1,01 €
MEF10-14-16	10	14	16	1,14 €
MEF10-14-20	10	14	20	1,24 €
MEF10-15-10	10	15	10	1,01 €
MEF12-15-12	12	15	12	0,96 €
MEF12-15-16	12	15	16	1,01 €
MEF12-15-20	12	15	20	1,14 €
MEF12-16-12	12	16	12	1,05 €
MEF12-16-16	12	16	16	1,14 €
MEF12-16-20	12	16	20	1,24 €
MEF12-16-25	12	16	25	1,51 €
MEF12-17-12	12	17	12	1,20 €
MEF14-18-14	14	18	14	1,20 €
MEF14-18-18	14	18	18	1,29 €
MEF14-18-22	14	18	22	1,51 €
MEF14-20-14	14	20	14	1,56 €
MEF14-20-28	14	20	28	2,71 €
MEF15-19-16	15	19	16	1,24 €
MEF15-19-20	15	19	20	1,47 €
MEF16-20-16	16	20	16	1,29 €
MEF16-20-20	16	20	20	1,56 €
MEF16-20-25	16	20	25	1,88 €
MEF16-20-32	16	20	32	2,34 €
MEF16-22-16	16	22	16	1,88 €
MEF16-22-20	16	22	20	2,30 €
MEF16-22-25	16	22	25	2,71 €
MEF18-22-18	18	22	18	1,56 €
MEF18-22-22	18	22	22	1,88 €
MEF18-24-22	18	24	22	2,71 €
MEF20-24-16	20	24	16	1,60 €
MEF20-24-20	20	24	20	1,88 €
MEF20-24-25	20	24	25	2,21 €
MEF20-24-32	20	24	32	2,67 €
MEF20-26-16	20	26	16	2,25 €
MEF20-26-20	20	26	20	2,62 €
MEF20-26-25	20	26	25	3,22 €
MEF20-26-32	20	26	32	3,96 €
MEF22-27-18	22	27	18	2,25 €
MEF22-27-22	22	27	22	2,58 €
MEF25-30-20	25	30	20	2,62 €
MEF25-30-25	25	30	25	3,17 €
MEF25-30-32	25	30	32	3,96 €
MEF25-32-20	25	32	20	3,63 €
MEF25-32-25	25	32	25	4,42 €
MEF25-32-32	25	32	32	5,28 €

All dimensions in mm

Cylindrical bearing

MEF Self-lubricating sintered ferrous alloy

- **Ferrous alloy bearing**
- **Material:**
 - Iron FP20 / Sint A10
- **Maximum linear speed:** 4m/s
- **Operating temp. from** -5°C to +90°C
- **Impregnation oil:** ISO 100



REMISES

Qty	1+	10+	25+
Disc.		Net -20%	On request

Part N°	ØA (F7/F8)	ØD (s7/s8)	L	Price each 1 to 9
MEF30-38-24	30	38	24	3,31 €
MEF30-38-30	30	38	30	3,96 €
MEF30-38-38	30	38	38	5,00 €
MEF32-38-32	32	38	32	3,42 €
MEF35-44-22	35	44	22	4,38 €
MEF35-44-28	35	44	28	5,42 €
MEF35-44-35	35	44	35	6,35 €
MEF36-42-22	36	42	22	3,09 €
MEF40-46-25	40	46	25	3,62 €
MEF40-46-32	40	46	32	4,40 €
MEF40-46-40	40	46	40	5,33 €
MEF40-50-25	40	50	25	5,73 €
MEF40-50-32	40	50	32	7,22 €
MEF40-50-40	40	50	40	8,93 €
MEF40-50-50	40	50	50	11,92 €
MEF45-51-28	45	51	28	4,29 €
MEF45-51-45	45	51	45	7,10 €
MEF45-55-35	45	55	35	9,58 €
MEF45-56-36	45	56	36	10,59 €
MEF50-56-32	50	56	32	6,46 €
MEF50-60-50	50	60	50	24,30 €
MEF60-70-60	60	70	60	36,14 €
MEF60-70-90	60	70	90	46,48 €
MEF80-100-120	80	100	120	132,37 €
MEF100-120-120	100	120	120	161,79 €

All dimensions in mm

Self-lubricating blanks

METEB

Bronze

- Solid blanks

- Material:

Bronze BP25 / Sint A50/A51

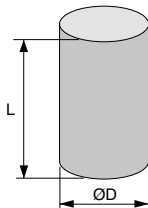
Info.

- Must be re-impregnated after machining
- Requires finishing (by customer)



METEB

To be finished
by customer



DISCOUNTS

Qty	1+	3+	5+
Disc.	List	-5%	On request

Part number	L	Ø2 + 0,8/- 0,8	Price each
METEB0-20-50	50	20	8,13 €
METEB0-30-50	50	30	28,59 €
METEB0-45-90	90	45	73,69 €
METEB0-52-120	120	52	130,96 €
METEB0-70-120	120	70	277,98 €
METEB0-105-120	120	105	445,74 €
METEB0-149-140	140	149	662,94 €

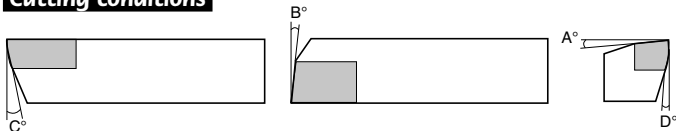
Dimensions in mm

Self-lubricating blanks METEB

Technical info – Machining recommendations

To maintain the integrity of the porosity of the friction surface, these machining recommendations should be followed:

Cutting conditions



Bronze

Angle	Blank / finish product
A	0-3°
B	5-7°
C	5-7°
D	5-7°

	Blank	Finish product
Tool grade	K10/K20	K10/K20
Cutting speed (m/min)	120-200	140-200
Feed (mm/rev)	0,1-0,2	0,1 max
Cut depth per pass (mm)	≤ 1	0,1-0,4

Iron alloy

Angle	Ebauche	Finition
A	3-7°	7-10°
B	5°	10°
C	5-7°	12-15°
D	5-7°	12-15°

	Blank	Finish product
Nuance outil	K10/K20	K10 5015 (cermet)*
Vitesse de coupe (m/mn)	140	160 200-250
Avance mm/tour	0,2-0,3	0,035 0,035-0,06
Profondeur de passe mm	1-5	0,3-0,5 0,3-0,5

* In case of increased productivity

Turning / Clamping

- To prevent any deformation, especially of the thin walls, the bores must be machined by clamping the bearing with collets or soft jaws. When machining the outside diameter, blanks should be fitted to the mandrels in a cantilever set-up or placed between lugs (mandrel taper 0.01%).

Finishing the contact surfaces

- After machining with a well-sharpened tool, it is recommended to provide an internal and external chamfer of approximately 0.5 mm at 45°.

Drilling

- For through holes, the feed should be reduced as the drill exits.

- Sintered bronze: no special conditions apply.
- Sintered iron: HSS drill bit with 5% cobalt, cutting speed: 25 to 30 m/min, feed 0.1 to 0.3 mm/min.

Tapping

- Sintered bronze: no special conditions apply.
- Sintered iron: nitride-treated taps with 5% cobalt, cutting speed: 8 to 12 m/min.

Self-lubricating blanks METEB

Technical info – Machining recommendations

Grinding

- This should be avoided when finishing bores. Effectively, abrasive particles from grinding wheels can become embedded in imperfections in the surface and cause accelerated wear of moving parts.

Cutting oil

- When machining blanks, cutting oil is not required due to the presence of impregnation oil in the pores of the sintered metal. However, if additional cooling is required, especially when machining large quantities, it is recommended to use either an oil of the same specification as that used for impregnation, or a jet of compressed air.
Do not use any other coolant as it may be incompatible with the original impregnation oil.

Reimpregnation after machining

- All standard blanks are delivered impregnated with mineral oils having a viscosity index greater than 95. However, in order to compensate for oil losses due to machining and handling, it is necessary to re-impregnate the blank using the following procedure:
 - To eliminate any chips or dust remaining from machining operations, the part must be rapidly rinsed with a volatile solvent (Heptane or Biosane ECO 60R), and then dried.
 - Depending on its weight, immerse the part for one or two hours in an oil bath at a temperature of 80° C.
 - Leave the part to cool down in this bath to ensure optimum oil saturation of the pores. Preferably the oil used for the bath should have the same reference as the oil used for the original impregnation, if this is not possible, it may be replaced by SAE 30 type motor oil which is readily available.

Impregnation oils

- For shaft rotation speeds greater than 0.3 m/s, use standard impregnation oil: Shell Turbo T100 oil – Viscosity index of 100.
- For linear alternating or pendular movement speeds of less than 0.3 m/s, a special impregnation oil can be supplied on request (extreme pressure oil with molybdenum disulphide additive, etc.). Contact us for details.

Checking surface porosity

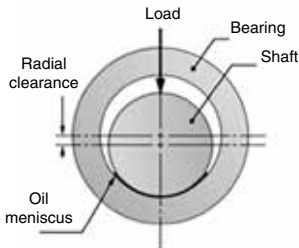
- It is assumed that, in practice, any machining work will result in a small decrease in surface porosity which will have little effect on the performance of self-lubricating materials on condition that the above machining recommendations have been respected. The residual porosity after machining will be checked in the following manner:
 - Either by a comparative examination (preferably using a magnifying glass) of the machined surface and a non-machined surface,
 - Or by raising the temperature of the machined part by approximately thirty degrees (using a heating plate, radiator, naked flame).
- Given the significant difference between the expansion coefficients of the sintered metal and the impregnation oil, this temperature rise causes the oil to ooze out. A uniform surface film of oil is formed and indicates that the self-lubricating qualities of the material are preserved.

- Functional part of a bearing, the self-lubricating bush reduces friction between two shafts, one fixed, the other moveable.

It is made up of two components:

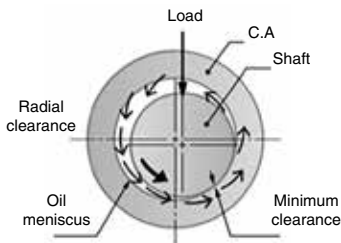
- A porous metallic frame whose function is to support and transmit the mechanical load
- A lubricant, either liquid or solid which acts as an interface between two moving surfaces and reduces frictional forces.

Which type to choose?



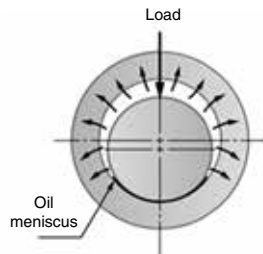
Stationary position

The oil is constrained within the self-lubricating bearing due to the action of capillarity forces.



During operation

The shaft rotates and an oil film is created that reduces friction.



After operation

The shaft has stopped and the oil is re-absorbed into the bearing due to capillary action.

**Products in
self-lubricating sintered bronze**

**Products in
self-lubricating sintered iron**


Bronze	Iron alloy
Good coefficient of friction	Recommended for medium to low speeds
Good corrosion resistance	Good resistance to bearing wear
Recommended for high speeds	Recommended for high loads
Shaft surface finish $Ra \leq 0.6$	Shaft surface finish $Ra \leq 0.3$
Shaft hardness $\geq 80\text{kg/mm}^2$	Shaft hardness $\geq 120\text{kg/mm}^2$

Standard grades	Bronze	Iron alloy
DIN 30910 equivalent	Sint A50	Sint A10
AFNOR equivalent	FU-E10-62	FC10-U3-56
Metafram equivalent	BP25	FP20
Min. density (g/cm^3)	6,5	5,8
Max. static load (daN/cm^2)	100	225
Max. linear speed (m/s)	6	4
Max. PV ($\text{daN/cm}^2 \times \text{m/s}$)	18	13
Temperature range ($^{\circ}\text{C}$)	-5 / +90	-5 / +90
Impregnation oil	ISO 100	ISO 100
Min. open porosity (%)	18 - 23	18 - 23
Hardness (HB)	25	25
Tensile strength (N/mm^2)	80	70
Elongation (%)	2	3

Self lubricating bushes

Assembly instructions

Using a mandrel

(Hardened carbon steel, polished finish, surface hardness 60RC)

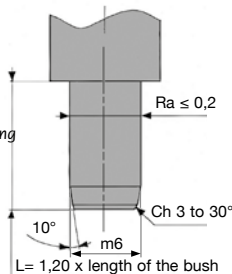
tolerance \varnothing **m6**

Fit the bush using a press ensuring that the correct diameter mandrel is used so that:

- the bushing is inserted correctly so as to ensure correct seating
- the tolerances of the bore are still correct after fitting

Inserting force

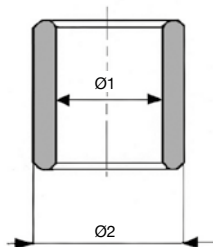
- Values are given assuming the tolerances are as follows ; mandrel **m6**, bore **H7** with $Ra \leq 3,2$ and considered to be rigid* : **100daN/cm²** (equivalent surface area at \varnothing cm from exterior of bushing)



*What do we mean by rigid? It is a bore or hole in steel (or possibly cast iron) where the wall thickness is at least 3 times the diameter of the bushing

Bush before assembly

- \varnothing interior **F7/G7**
- \varnothing exterior **r7/s7**



Self lubricating bushes

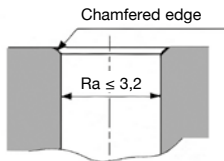
Technical information

Steel housing

(in rigid material)

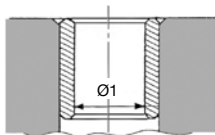
Tolerance \varnothing H7

- The tightness between the bush and the hole and the final tolerances of the bore of the bush have been calculated for a rigid steel housing.
- For all other types of support (non rigid or other materials), the tightness may vary and practical tests should be carried out to confirm the bore tolerances.



Bush after press fitting

- \varnothing interior - $\varnothing 1$ bush H7



Shaft to be used

- Mechanical properties of steel depending on the type of bush
- For a **sintered bronze** bush
- Steel with a minimum hardness of 80 kg/mm²
- Ra \leq 0.6

tolerance \varnothing f7

- Where bushes are fitted without additional support (Overmolding or gluing), use an h7 toleranced shaft rather than f7.

Operating clearances

- Running fit H7/f7
- Assembly instructions should be followed to ensure the correct operation of the self lubricating bush (lubricating, wear, rubbing).

