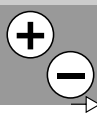


iglidur® G

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iglidur® G – Il factotum



Funzionamento a secco esente da manutenzione

Elevata resistenza all'abrasione

Resistente a polvere e sporcizia

Oltre 900 dimensioni disponibili a magazzino

Soluzione economica ed universale



iglus®

iglidur® G | Il factotum

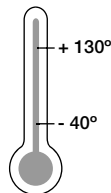
L'impiego universale è la caratteristica principale dei cuscinetti iglidur® G. Per questo motivo il materiale viene giustamente denominato Il factotum. Carichi medio-alti, velocità medio-basse e temperature medie questi i principali campi applicativi.

iglidur® G

3 Forme
> 480 Dimensioni
Ø 1-150 mm



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iglus® S.r.l.
Robbiate (LC)

Indice prezzo



Il factotum



Quando impiegare iglidur® G

- Quando serve un cuscinetto economico universale
- In presenza di alti carichi
- Con velocità di strisciamento medio-basse
- Quando serve un cuscinetto idoneo a lavorare su diversi tipi di alberi
- Per movimenti oscillatori e rotatori
- Quando si cerca una soluzione estremamente versatile
- Per un funzionamento completamente a secco
- Quando serve un cuscinetto insensibile allo sporco



Quando non impiegare iglidur® G

- Quando serve una ripresa meccanica della boccola
▶ iglidur® M250 (Capitolo 4)
- Quando si richiede un'eccellente resistenza all'abrasione
▶ iglidur® W300 (Capitolo 5)
- In presenza di temperature operative permanenti oltre 130°C
▶ iglidur® H (Capitolo 12),
iglidur® X (Capitolo 6)
- Per applicazioni in acqua
▶ iglidur® H (Capitolo 12),
iglidur® H370 (Capitolo 15)



Foto 2.1: Affidabile con carichi elevati, resistente all'usura nei movimenti rotatori continui

Scheda tecnica del materiale

Caratteristiche generali	Unità di misura	iglidur® G	Metodo di prova
Densità	g/cm ³	1,46	
Colore		grigio	
Max. assorbimento di umidità a 23°C / 50% u.r.	Peso %	0,7	DIN 53495
Max. assorbimento d'acqua per saturazione	Peso %	4,0	
Coefficiente d'attrito dinamico su acciaio	μ	0,08 - 0,15	
Max. p x v ammissibile (a secco)	MPa x m/s	0,42	

Caratteristiche meccaniche

Modulo elastico	MPa	7.800	DIN 53457
Resistenza alla flessione a 20 °C	MPa	210	DIN 53452
Resistenza alla compressione	MPa	78	
Max. carico specifico ammissibile, statico a 20 °C	MPa	80	
Durezza Shore D		81	DIN 53505

Caratteristiche fisiche e termiche

Max. temperatura operativa permanente	°C	130	
Temperatura limite per breve durata	°C	220	
Temperatura operativa minima	°C	-40	
Conducibilità termica	W/m x K	0,24	ASTM C 177
Coefficiente di dilatazione termica (T _{ref} = 23 °C)	K ⁻¹ x 10 ⁻⁵	9	DIN 53752

Caratteristiche elettriche

Resistività di volume	Ωcm	> 10 ¹³	DIN IEC 93
Resistività di superficie	Ω	> 10 ¹¹	DIN 53482

Tabella 2.1: Scheda tecnica del materiale

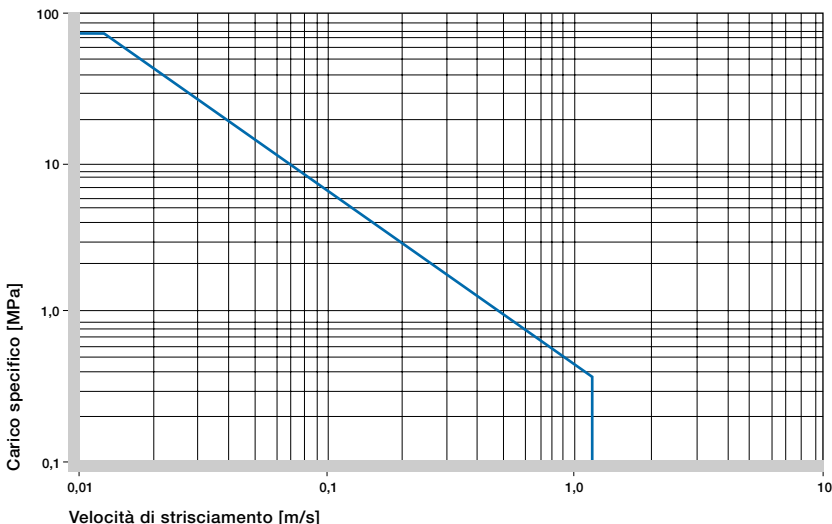


Grafico 2.1: Valori p x v ammissibili per iglidur® G; funzionamento a secco su albero in acciaio, a 20°C, sede in acciaio, spessore cuscinetto 1 mm



Foto 2.2: test con carico operativo di 18.000 N; dopo 10.000 manovre non si è riscontrata usura significativa dei cuscinetti



Foto 2.3: In un attuatore pneumatico, iglidur® G viene impiegato nelle condotte di vapore con temperature fino a 135°C



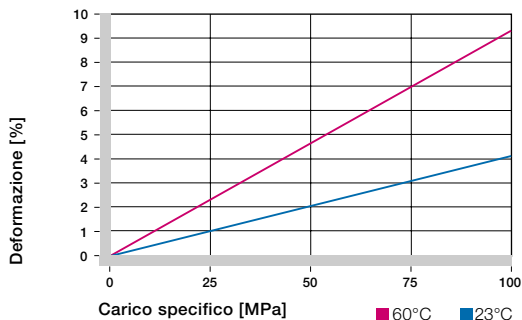


Grafico 2.2: Deformazione in funzione del carico e della temperatura

Resistenza alla compressione

Il grafico 2.2 mostra la deformazione elastica del materiale iglidur® G dovuta ai carichi. A temperatura ambiente, rispettando il limite indicato di 80 MPa la deformazione risulta inferiore al 5%. Con carichi specifici inferiori a 100 MPa la deformazione plastica è trascurabile; si tenga presente però che questo effetto dipende anche dalla durata di applicazione del carico.

- ☑ Grafico 2.2
- ▶ Resistenza alla compressione, Pagina 1.20



Foto 2.4: Vibrazioni, sporcizia e temperature fino a 130°C caratterizzano le applicazioni nel vano motore

m/s	Rotazione	Oscillazione	Lineare
Permanente	1	0,7	4
Breve durata	2	1,4	5

Tabella 2.2: Massime velocità di strisciamento

iglidur® G	Temperatura operativa
Minima	- 40 °C
Max. permanente	+ 130 °C
Max. per breve durata	+ 220 °C

Tabella 2.3: Range di temperatura per iglidur® G

Velocità ammissibili

iglidur® G nasce per applicazioni con velocità di strisciamento medio – basse. Quelli riportati nella tabella 2.2 sono valori limite per applicazioni a temperatura ambiente; alle velocità indicate, il cuscinetto non deve essere sottoposto a nessuna sollecitazione di tipo meccanico. Infatti se all'alta velocità si aggiungono forze o tensioni esterne, si rischia che la temperatura – a causa del calore sviluppato per attrito – aumenti fino a superare il valore limite ammissibile, a scapito della resistenza meccanica e delle prestazioni del cuscinetto.

- ▶ Velocità di strisciamento, Pagina 1.22
- ▶ Prodotto p x v, Pagina 1.24



Foto 2.5: Catene di trasporto per convogliatori aerei: l'effetto cantilever fa registrare carichi specifici oltre i 50 MPa

Temperature

Le temperature influiscono sensibilmente sulle caratteristiche dei cuscinetti. La temperatura limite ammissibile sui cuscinetti iglidur® G, per breve durata, è di 220°C e si riferisce ad applicazioni statiche, senza carichi applicati né sollecitazioni agenti (ad es. nei processi di asciugatura delle vernici). All'aumentare della temperatura la capacità di carico diminuisce (grafico 2.3). Alla massima temperatura operativa permanente di 130°C, il carico statico ammissibile è ancora oltre i 35 MPa. Le temperature operative in corrispondenza del cuscinetto influiscono sull'abrasione relativa, che aumenta all'aumentare della temperatura; l'incremento è molto marcato quando si superano i 120°C.

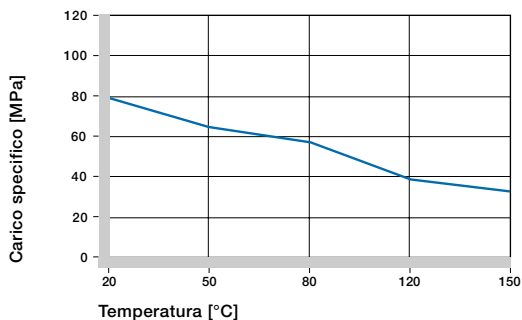


Grafico 2.3: Massimo carico statico ammissibile in funzione della temperatura

- ☑ Grafico 2.3
- ▶ Temperature operative, Pagina 1.25



Attrito e usura

Sia l'abrasione relativa che il coefficiente di attrito variano in funzione del carico applicato. Un aspetto interessante è che il coefficiente d'attrito diminuisce all'aumentare del carico specifico, mentre aumenta all'aumentare della velocità di strisciamento. Questa relazione spiega le ottime performance dei cuscinetti iglidur® G nelle applicazioni con carichi elevati e basse velocità (vedi grafici 2.4 e 2.5).

Attrito ed usura dipendono in larga misura anche dal grado di finitura dei controprezzi: mediamente un albero molto liscio fa aumentare sia il coefficiente di attrito che l'abrasione a carico del cuscinetto. Per i cuscinetti iglidur® G, la più appropriata è una superficie rettificata con una rugosità media di $Ra = 0,8 \mu\text{m}$ (vedi grafico 2.6).

- Grafici 2.4, 2.5, 2.6
- ▶ Coefficienti di attrito e superfici, Pagina 1.27
- ▶ Resistenza all'abrasione, Pagina 1.28

Materiali per alberi

I grafici a pagina seguente mostrano un estratto dei risultati dei test effettuati su cuscinetti iglidur® G per strisciamento su diverse tipologie di albero di uso comune: si nota che questo compound può essere combinato con diversi materiali (vedi grafico 2.7). A basso carico, i risultati migliori sono stati ottenuti con materiali molto comuni quali l'acciaio alta velocità e il trafilato standard. Ciò consente un risparmio economico ed una facile reperibilità non solo dei cuscinetti ma anche degli alberi. Con carichi operativi elevati è invece importante impiegare alberi con una durezza maggiore: un albero tenero si può infatti usurare, causando malfunzionamenti ed usura eccessiva dei controprezzi. Per questo motivo con carichi superiori ai 2-5 MPa è consigliabile passare ad un albero indurito. All'aumentare del carico specifico, l'andamento dell'abrasione relativa tra alberi teneri e trattati è nettamente diverso (vedi pendenza delle curve). Un'ulteriore prova comparativa (grafico 2.9) dimostra che, in particolare per alti carichi, il materiale iglidur® G ha una resistenza

iglidur® G	A secco	Grasso	Olio	Acqua
C.d.a. μ	0,08 - 0,15	0,09	0,04	0,04

Tabella 2.4: Coefficienti d'attrito su acciaio ($Ra = 1 \mu\text{m}$, 50 HRC)

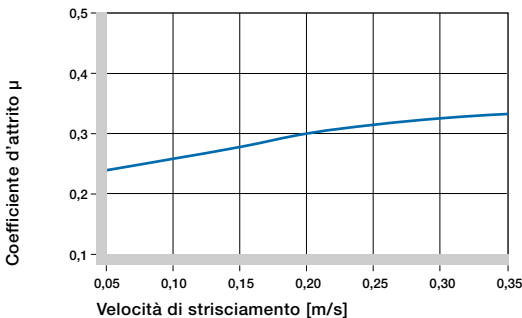


Grafico 2.4: Coefficiente d'attrito in funzione della velocità di strisciamento, $p = 0,75 \text{ MPa}$

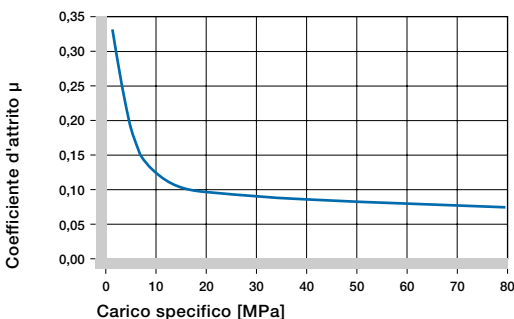


Grafico 2.5: Coefficiente d'attrito in funzione del carico specifico, $v = 0,01 \text{ m/s}$

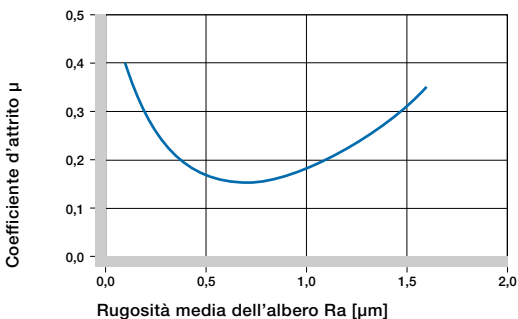
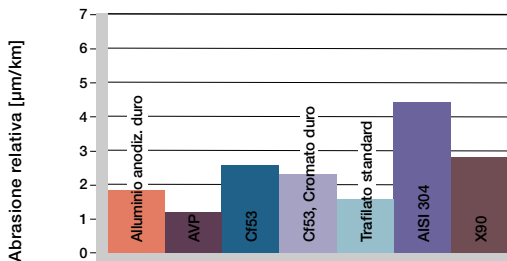


Grafico 2.6: Coefficiente d'attrito in funzione del grado di finitura dell'albero (Materiale: Cf53)

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Materiale dell'albero

Grafico 2.7: Abrasione relativa per rotazione su diverse tipologie di albero; $p = 0,75 \text{ MPa}$, $v = 0,5 \text{ m/s}$

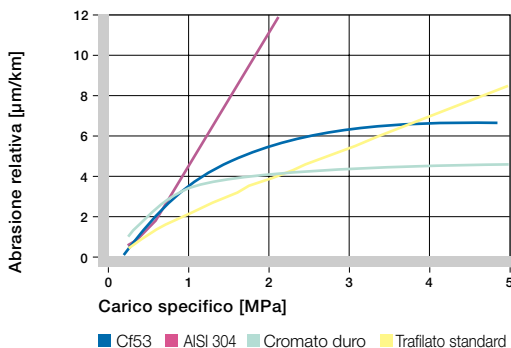


Grafico 2.8: Abrasione relativa su diverse tipologie di albero, per rotazione, in funzione del carico specifico

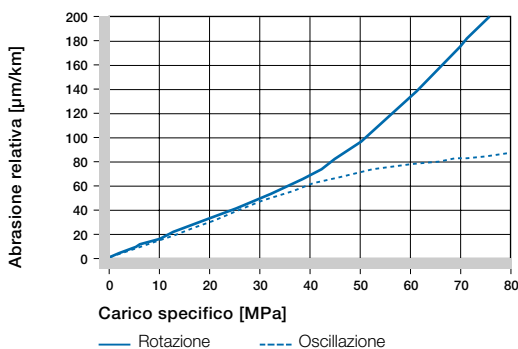


Grafico 2.9: Abrasione relativa in funzione del carico specifico su albero in Cf53, rispettivamente per movimenti rotatori ed oscillatori

all'abrasione molto migliore in caso di movimenti oscillatori piuttosto che rotatori: a parità di condizioni applicative, l'usura a carico del cuscinetto è inferiore. Per questo motivo affermiamo che iglidur® G è la scelta ottimale per applicazioni con movimento oscillatorio a carichi particolarmente elevati. Considerato inoltre che per carichi molto alti l'abrasione relativa – in caso di oscillazione – cresce in misura contenuta, si può supporre di poter lavorare senza particolari problemi a carichi permanenti elevati, anche oltre il limite degli 80 MPa. Si tenga presente che con carichi così ingenti è raccomandabile l'impiego di alberi temprati. Oltre a quelli qui illustrati, sono stati fatti molti test anche con altre tipologie di alberi. Interpellateci in caso intendiate utilizzare un materiale che non compare tra quelli menzionati.

- Grafici 2.7, 2.8, 2.9
- Materiali per alberi, Pagina 1.30

Tolleranze di montaggio

I cuscinetti iglidur® G sono dimensionati per il piantaggio con interferenza in sede H7. Dopo il piantaggio in sede nominale, il diametro interno del cuscinetto acquisisce una tolleranza E10 ed è idoneo a scorrere su alberi in tolleranza h (quelle consigliate sono da h7 a h9).

- Metodi di verifica dimensionale, Pagina 1.35

Resistenza chimica

I cuscinetti iglidur® G presentano una buona resistenza agli agenti chimici. Resistono inoltre alla maggior parte dei lubrificanti di uso comune e agli acidi organici e inorganici. In condizioni ambientali normali, l'assorbimento di umidità dei cuscinetti iglidur® G è di circa l'1% in peso percentuale. Il limite di saturazione in acqua è dell'ordine del 5%: è importante tenerne conto in caso si debba lavorare in queste condizioni.

- Grafico 2.10
- Tabella di resistenza chimica, Pagina 70.1

Radioattività

I cuscinetti iglidur® G resistono a radiazioni di intensità fino a 3×10^6 Gy.

Resistenza ai raggi UV

I cuscinetti iglidur® G dimostrano una prolungata resistenza ai raggi UV.

Vuoto

In caso di applicazioni sottovuoto, si verifica una contenuta emissione di gas. In queste condizioni è consigliabile lavorare a secco.

Caratteristiche elettriche

I cuscinetti iglidur® G sono elettricamente isolanti.

Esempi applicativi



Foto 2.7: Leve di comando e pedalieri di trattori agricoli, macchine movimento terra, carrelli elevatori e veicoli industriali in genere



Foto 2.8: Nelle prese di aspirazione delle macchine per asportazione di truciolo si lavora in presenza di massicce quantità di sporczia e polveri

Diametro d1 [mm]	Albero h9 [mm]	iglidur®G E10 [mm]
fino a 3	0 - 0,025	+0,014 + 0,054
da 3 a 6	0 - 0,030	+0,020 + 0,068
da 6 a 10	0 - 0,036	+0,025 + 0,083
da 10 a 18	0 - 0,043	+0,032 + 0,102
da 18 a 30	0 - 0,052	+0,040 + 0,124
da 30 a 50	0 - 0,062	+0,050 + 0,150
da 50 a 80	0 - 0,074	+0,060 + 0,180
da 80 a 120	0 - 0,087	+0,072 + 0,212
oltre 120	0 - 0,100	+0,085 + 0,245

Tabella 2.5: Tolleranze dei cuscinetti iglidur® G dopo piantaggio in sede

Agente	Resistenza
Alcool	da + a 0
Idrocarburi	+
Grassi e oli, senza additivi	+
Carburanti	+
Acidi deboli	da 0 a -
Acidi forti	-
Basi deboli	+
Basi forti	0

Tabella 2.6: Resistenza chimica del materiale iglidur® G a temperatura ambiente [20°C] – lista dettagliata a pagina 70.1

+ resistente 0 parzialmente resistente - non resistente

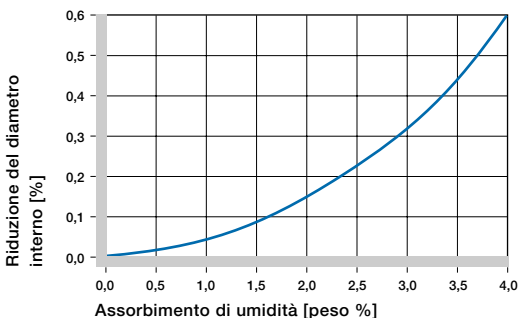


Grafico 2.10: Effetti dell'assorbimento di umidità sui cuscinetti iglidur® G, a boccola piantata

iglidur® G	
Resistività di volume	$> 10^{13} \Omega \text{cm}$
Resistività di superficie	$> 10^{11} \Omega$

Tabella 2.7: Caratteristiche elettriche del materiale iglidur® G

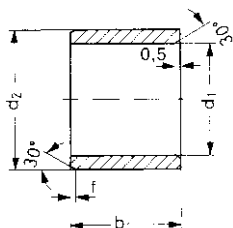


Foto 2.6: Il test per quest'applicazione nei cilindri pneumatici prevedeva distanze di scorrimento di almeno 3.000 km



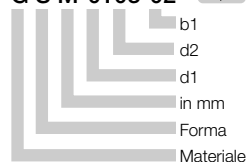


iglidur® G | Cuscinetto cilindrico | in mm



Dimensioni in mm

Codice articolo:
G S M-0103-02



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	b1 h13	Articolo	d1	Tolleranze d1*	d2	b1 h13
GSM-0103-02	1,5	+0,014 +0,054	3,0	2,0	GSM-0810-05	8,0	+0,025 +0,083	10,0	5,0
GSM-0203-03	2,0	+0,014 +0,054	3,5	3,0	GSM-0810-06	8,0	+0,025 +0,083	10,0	6,0
GSM-02504-05	2,5	+0,014 +0,054	4,5	5,0	GSM-0810-07	8,0	+0,025 +0,083	10,0	6,8
GSM-0304-03	3,0	+0,014 +0,054	4,5	3,0	GSM-0810-08	8,0	+0,025 +0,083	10,0	8,0
GSM-0304-05	3,0	+0,014 +0,054	4,5	5,0	GSM-0810-10	8,0	+0,025 +0,083	10,0	10,0
GSM-0304-06	3,0	+0,014 +0,054	4,5	6,0	GSM-0810-12	8,0	+0,025 +0,083	10,0	12,0
GSM-0405-04	4,0	+0,020 +0,068	5,5	4,0	GSM-0810-13	8,0	+0,025 +0,083	10,0	13,8
GSM-0405-06	4,0	+0,020 +0,068	5,5	6,0	GSM-0810-15	8,0	+0,025 +0,083	10,0	15,0
GSM-0406-08	4,5	+0,020 +0,068	6,0	8,0	GSM-0810-16	8,0	+0,025 +0,083	10,0	16,0
GSM-0407-05	4,0	+0,020 +0,068	7,0	5,5	GSM-0810-20	8,0	+0,025 +0,083	10,0	20,0
GSM-0506-05	5,0	+0,010 +0,040	6,0	5,0	GSM-0810-22	8,0	+0,025 +0,083	10,0	22,0
GSM-0506-07	5,0	+0,010 +0,040	6,0	7,0	GSM-0911-06	9,0	+0,025 +0,083	11,0	6,0
GSM-0507-05	5,0	+0,020 +0,068	7,0	5,0	GSM-1011-06	10,0	+0,013 +0,049	11,0	6,0
GSM-0507-08	5,0	+0,020 +0,068	7,0	8,0	GSM-1011-10	10,0	+0,013 +0,049	11,0	10,0
GSM-0507-10	5,0	+0,020 +0,068	7,0	10,0	GSM-1011-25	10,0	+0,013 +0,049	11,0	25,0
GSM-0607-06	6,0	+0,010 +0,040	7,0	6,0	GSM-1011-30	10,0	+0,013 +0,049	11,0	30,0
GSM-0607-17.5	6,0	+0,010 +0,040	7,0	17,5	GSM-1012-04	10,0	+0,025 +0,083	12,0	4,0
GSM-0608-015	6,0	+0,020 +0,068	8,0	1,5	GSM-1012-045	10,0	+0,025 +0,083	12,0	4,5
GSM-0608-025	6,0	+0,020 +0,068	8,0	2,5	GSM-1012-05	10,0	+0,025 +0,083	12,0	5,0
GSM-0608-04	6,0	+0,020 +0,068	8,0	4,0	GSM-1012-06	10,0	+0,025 +0,083	12,0	6,0
GSM-0608-05	6,0	+0,020 +0,068	8,0	5,0	GSM-1012-07	10,0	+0,025 +0,083	12,0	7,0
GSM-0608-055	6,0	+0,020 +0,068	8,0	5,5	GSM-1012-08	10,0	+0,025 +0,083	12,0	8,0
GSM-0608-06	6,0	+0,020 +0,068	8,0	6,0	GSM-1012-09	10,0	+0,025 +0,083	12,0	9,0
GSM-0608-08	6,0	+0,020 +0,068	8,0	8,0	GSM-1012-10	10,0	+0,025 +0,083	12,0	10,0
GSM-0608-09	6,0	+0,020 +0,068	8,0	9,5	GSM-1012-12	10,0	+0,025 +0,083	12,0	12,0
GSM-0608-10	6,0	+0,020 +0,068	8,0	10,0	GSM-1012-14	10,0	+0,025 +0,083	12,0	14,0
GSM-0608-11	6,0	+0,020 +0,068	8,0	11,8	GSM-1012-15	10,0	+0,025 +0,083	12,0	15,0
GSM-0608-13	6,0	+0,020 +0,068	8,0	13,8	GSM-1012-17	10,0	+0,025 +0,083	12,0	17,0
GSM-0708-10	7,0	+0,013 +0,049	8,0	10,0	GSM-1012-20	10,0	+0,025 +0,083	12,0	20,0
GSM-0708-19	7,0	+0,013 +0,049	8,0	19,0	GSM-1213-12	12,0	+0,016 +0,059	13,0	12,0
GSM-0709-08	7,0	+0,025 +0,083	9,0	8,0	GSM-1213-15	12,0	+0,016 +0,059	13,0	15,0
GSM-0709-09	7,0	+0,025 +0,083	9,0	9,0	GSM-1214-04	12,0	+0,032 +0,102	14,0	4,0
GSM-0709-10	7,0	+0,025 +0,083	9,0	10,0	GSM-1214-05	12,0	+0,032 +0,102	14,0	5,0
GSM-0709-12	7,0	+0,025 +0,083	9,0	12,0	GSM-1214-06	12,0	+0,032 +0,102	14,0	6,0
GSM-0809-05	8,0	+0,013 +0,049	9,0	5,0	GSM-1214-08	12,0	+0,032 +0,102	14,0	8,0
GSM-0809-06	8,0	+0,013 +0,049	9,0	6,0	GSM-1214-10	12,0	+0,032 +0,102	14,0	10,0
GSM-0809-08	8,0	+0,013 +0,049	9,0	8,0	GSM-1214-12	12,0	+0,032 +0,102	14,0	12,0
GSM-0809-12	8,0	+0,013 +0,049	9,0	12,0	GSM-1214-14	12,0	+0,032 +0,102	14,0	14,0

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

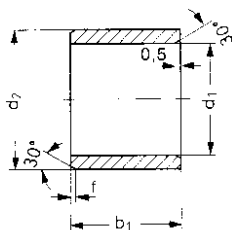
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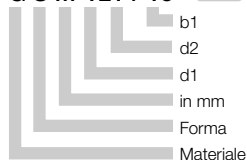
mm

iglidur® G - Forma S



Dimensioni in mm

Code articolo:
GSM-1214-15



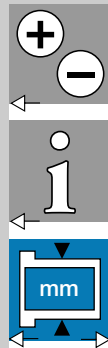
Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	b1 h13	Articolo	d1	Tolleranze d1*	d2	b1 h13
GSM-1214-15	12,0	+0,032 +0,102	14,0	15,0	GSM-1820-10	18,0	+0,032 +0,102	20,0	10,0
GSM-1214-20	12,0	+0,032 +0,102	14,0	20,0	GSM-1820-12	18,0	+0,032 +0,102	20,0	12,0
GSM-1214-25	12,0	+0,032 +0,102	14,0	25,0	GSM-1820-15	18,0	+0,032 +0,102	20,0	15,0
GSM-1215-06	12,0	+0,032 +0,102	15,0	6,0	GSM-1820-20	18,0	+0,032 +0,102	20,0	20,0
GSM-1215-22	12,0	+0,032 +0,102	15,0	22,0	GSM-1820-25	18,0	+0,032 +0,102	20,0	25,0
GSM-1216-10	12,0	+0,050 +0,160	16,0	10,0	GSM-1820-45	18,0	+0,032 +0,102	20,0	45,0
GSM-1216-20	12,0	+0,050 +0,160	16,0	20,0	GSM-1922-06	19,0	+0,040 +0,124	22,0	6,0
GSM-1315-070	13,0	+0,032 +0,102	15,0	7,0	GSM-1922-28	19,0	+0,040 +0,124	22,0	28,0
GSM-1315-075	13,0	+0,032 +0,102	15,0	7,5	GSM-1922-35	19,0	+0,040 +0,124	22,0	35,0
GSM-1315-10	13,0	+0,032 +0,102	15,0	10,0	GSM-2021-20	20,0	+0,020 +0,072	21,0	20,0
GSM-1315-15	13,0	+0,032 +0,102	15,0	15,0	GSM-2022-03	20,0	+0,040 +0,124	22,0	3,0
GSM-1315-20	13,0	+0,032 +0,102	15,0	20,0	GSM-2022-08	20,0	+0,040 +0,124	22,0	8,0
GSM-1315-25	13,0	+0,032 +0,102	15,0	25,0	GSM-2022-105	20,0	+0,040 +0,124	22,0	10,5
GSM-1416-03	14,0	+0,032 +0,102	16,0	3,0	GSM-2022-15	20,0	+0,040 +0,124	22,0	15,0
GSM-1416-06	14,0	+0,032 +0,102	16,0	6,0	GSM-2022-20	20,0	+0,040 +0,124	22,0	20,0
GSM-1416-08	14,0	+0,032 +0,102	16,0	8,0	GSM-2022-22	20,0	+0,040 +0,124	22,0	22,0
GSM-1416-10	14,0	+0,032 +0,102	16,0	10,0	GSM-2022-30	20,0	+0,040 +0,124	22,0	30,0
GSM-1416-12	14,0	+0,032 +0,102	16,0	12,0	GSM-2023-10	20,0	+0,040 +0,124	23,0	10,0
GSM-1416-15	14,0	+0,032 +0,102	16,0	15,0	GSM-2023-15	20,0	+0,040 +0,124	23,0	15,0
GSM-1416-20	14,0	+0,032 +0,102	16,0	20,0	GSM-2023-20	20,0	+0,040 +0,124	23,0	20,0
GSM-1416-25	14,0	+0,032 +0,102	16,0	25,0	GSM-2023-23	20,0	+0,040 +0,124	23,0	23,0
GSM-1516-15	15,0	+0,016 +0,059	16,0	15,0	GSM-2023-24	20,0	+0,040 +0,124	23,0	24,0
GSM-1517-04	15,0	+0,032 +0,102	17,0	4,0	GSM-2023-25	20,0	+0,040 +0,124	23,0	25,0
GSM-1517-10	15,0	+0,032 +0,102	17,0	10,0	GSM-2023-30	20,0	+0,040 +0,124	23,0	30,0
GSM-1517-12	15,0	+0,032 +0,102	17,0	12,0	GSM-2224-10	22,0	+0,040 +0,124	24,0	10,0
GSM-1517-15	15,0	+0,032 +0,102	17,0	15,0	GSM-2224-15	22,0	+0,040 +0,124	24,0	15,0
GSM-1517-20	15,0	+0,032 +0,102	17,0	20,0	GSM-2224-17	22,0	+0,040 +0,124	24,0	17,0
GSM-1517-25	15,0	+0,032 +0,102	17,0	25,0	GSM-2224-20	22,0	+0,040 +0,124	24,0	20,0
GSM-1618-055	16,0	+0,032 +0,102	18,0	5,5	GSM-2224-30	22,0	+0,040 +0,124	24,0	30,0
GSM-1618-08	16,0	+0,032 +0,102	18,0	8,0	GSM-2225-15	22,0	+0,040 +0,124	25,0	15,0
GSM-1618-10	16,0	+0,032 +0,102	18,0	10,0	GSM-2225-20	22,0	+0,040 +0,124	25,0	20,0
GSM-1618-12	16,0	+0,032 +0,102	18,0	12,0	GSM-2225-25	22,0	+0,040 +0,124	25,0	25,0
GSM-1618-13.5	16,0	+0,032 +0,102	18,0	13,5	GSM-2225-30	22,0	+0,040 +0,124	25,0	30,0
GSM-1618-15	16,0	+0,032 +0,102	18,0	15,0	GSM-2427-06	24,0	+0,040 +0,124	27,0	6,0
GSM-1618-20	16,0	+0,032 +0,102	18,0	20,0	GSM-2427-15	24,0	+0,040 +0,124	27,0	15,0
GSM-1618-25	16,0	+0,032 +0,102	18,0	25,0	GSM-2427-20	24,0	+0,040 +0,124	27,0	20,0
GSM-1618-30	16,0	+0,032 +0,102	18,0	30,0	GSM-2427-25	24,0	+0,040 +0,124	27,0	25,0
GSM-1618-50	16,0	+0,032 +0,102	18,0	50,0	GSM-2427-30	24,0	+0,040 +0,124	27,0	30,0

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

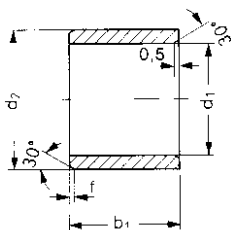




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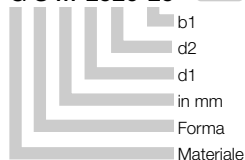
mm

iglidur® G – Forma S



Dimensioni in mm

Codice articolo:
G S M-2526-25



Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

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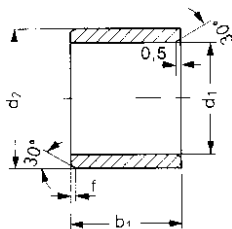
E-Mail: igusitalia@igus.it

Articolo	d1	Tolleranze d1*	d2	b1 h13	Articolo	d1	Tolleranze d1*	d2	b1 h13
GSM-2526-25	25,0	+0,020 +0,072	26,0	25,0	GSM-3034-25	30,0	+0,040 +0,124	34,0	25,0
GSM-2528-15	25,0	+0,040 +0,124	28,0	15,0	GSM-3034-30	30,0	+0,040 +0,124	34,0	30,0
GSM-2528-20	25,0	+0,040 +0,124	28,0	20,0	GSM-3034-35	30,0	+0,040 +0,124	34,0	35,0
GSM-2528-24	25,0	+0,040 +0,124	28,0	24,0	GSM-3034-40	30,0	+0,040 +0,124	34,0	40,0
GSM-2528-25	25,0	+0,040 +0,124	28,0	25,0	GSM-3034-525	30,0	+0,040 +0,124	34,0	52,5
GSM-2528-30	25,0	+0,040 +0,124	28,0	30,0	GSM-3236-20	32,0	+0,050 +0,150	36,0	20,0
GSM-2528-35	25,0	+0,040 +0,124	28,0	35,0	GSM-3236-30	32,0	+0,050 +0,150	36,0	30,0
GSM-2528-50	25,0	+0,040 +0,124	28,0	50,0	GSM-3236-40	32,0	+0,050 +0,150	36,0	40,0
GSM-2630-16	26,0	+0,040 +0,124	30,0	16,0	GSM-3539-14	35,0	+0,050 +0,150	39,0	14,0
GSM-2730-05	27,0	+0,040 +0,124	30,0	5,0	GSM-3539-20	35,0	+0,050 +0,150	39,0	20,0
GSM-2832-105	28,0	+0,040 +0,124	32,0	10,5	GSM-3539-25	35,0	+0,050 +0,150	39,0	25,0
GSM-2832-12	28,0	+0,040 +0,124	32,0	12,0	GSM-3539-30	35,0	+0,050 +0,150	39,0	30,0
GSM-2832-15	28,0	+0,040 +0,124	32,0	15,0	GSM-3539-40	35,0	+0,050 +0,150	39,0	40,0
GSM-2832-20	28,0	+0,040 +0,124	32,0	20,0	GSM-3539-50	35,0	+0,050 +0,150	39,0	50,0
GSM-2832-23	28,0	+0,040 +0,124	32,0	23,0	GSM-3640-20	36,0	+0,050 +0,150	40,0	20,0
GSM-2832-25	28,0	+0,040 +0,124	32,0	25,0	GSM-3741-20	37,0	+0,050 +0,150	41,0	20,0
GSM-2832-30	28,0	+0,040 +0,124	32,0	30,0	GSM-4044-10	40,0	+0,050 +0,150	44,0	10,0
GSM-3031-12	30,0	+0,020 +0,072	31,0	12,0	GSM-4044-16	40,0	+0,050 +0,150	44,0	16,5
GSM-3031-30	30,0	+0,020 +0,072	31,0	30,0	GSM-4044-20	40,0	+0,050 +0,150	44,0	20,0
GSM-3034-15	30,0	+0,040 +0,124	34,0	15,0	GSM-4044-30	40,0	+0,050 +0,150	44,0	30,0
GSM-3034-20	30,0	+0,040 +0,124	34,0	20,0	GSM-4044-40	40,0	+0,050 +0,150	44,0	40,0
GSM-3034-24	30,0	+0,040 +0,124	34,0	24,0	GSM-4044-50	40,0	+0,050 +0,150	44,0	50,0

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35



iglidur® G - Riduzione dei costi nel settore agricolo



Dimensioni in mm

Codice articolo:
G S M-4246-40



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

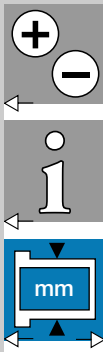
Dimensioni standard corrispondenti a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	b1 h13	Articolo	d1	Tolleranze d1*	d2	b1 h13
GSM-4246-40	42,0	+0,050 +0,150	46,0	40,0	GSM-6267-35	62,0	+0,060 +0,180	67,0	35,0
GSM-4550-22	45,0	+0,050 +0,150	50,0	22,0	GSM-6570-30	65,0	+0,060 +0,180	70,0	30,0
GSM-4550-235	45,0	+0,050 +0,150	50,0	23,5	GSM-6570-50	65,0	+0,060 +0,180	70,0	50,0
GSM-4550-30	45,0	+0,050 +0,150	50,0	30,0	GSM-7075-60	70,0	+0,060 +0,180	75,0	60,0
GSM-4550-38	45,0	+0,050 +0,150	50,0	38,0	GSM-7277-76	72,0	+0,060 +0,180	77,0	76,0
GSM-4550-40	45,0	+0,050 +0,150	50,0	40,0	GSM-7580-40	75,0	+0,060 +0,180	80,0	40,0
GSM-4550-50	45,0	+0,050 +0,150	50,0	50,0	GSM-7580-60	75,0	+0,060 +0,180	80,0	60,0
GSM-5055-20	50,0	+0,050 +0,150	55,0	20,0	GSM-8085-60	80,0	+0,060 +0,180	85,0	60,0
GSM-5055-25	50,0	+0,050 +0,150	55,0	25,0	GSM-8085-100	80,0	+0,060 +0,180	85,0	100,0
GSM-5055-30	50,0	+0,050 +0,150	55,0	30,0	GSM-8590-100	85,0	+0,072 +0,212	90,0	100,0
GSM-5055-40	50,0	+0,050 +0,150	55,0	40,0	GSM-9095-100	90,0	+0,072 +0,212	95,0	100,0
GSM-5055-50	50,0	+0,050 +0,150	55,0	50,0	GSM-95100-100	95,0	+0,072 +0,212	100,0	100,0
GSM-5257-20	52,0	+0,060 +0,180	57,0	20,0	GSM-100105-30	100,0	+0,072 +0,212	105,0	30,0
GSM-5560-20	55,0	+0,060 +0,180	60,0	20,0	GSM-100105-100	100,0	+0,072 +0,212	105,0	100,0
GSM-5560-40	55,0	+0,060 +0,180	60,0	40,0	GSM-110115-100	110,0	+0,072 +0,212	115,0	100,0
GSM-5560-50	55,0	+0,060 +0,180	60,0	50,0	GSM-120125-100	120,0	+0,072 +0,212	125,0	100,0
GSM-5560-60	55,0	+0,060 +0,180	60,0	60,0	GSM-125130-100	125,0	+0,085 +0,245	130,0	100,0
GSM-6065-30	60,0	+0,060 +0,180	65,0	30,0	GSM-130135-100	130,0	+0,085 +0,245	135,0	100,0
GSM-6065-40	60,0	+0,060 +0,180	65,0	40,0	GSM-135140-80	135,0	+0,085 +0,245	140,0	80,0
GSM-6065-50	60,0	+0,060 +0,180	65,0	50,0	GSM-140145-100	140,0	+0,085 +0,245	145,0	100,0
GSM-6065-60	60,0	+0,060 +0,180	65,0	60,0	GSM-150155-100	150,0	+0,085 +0,245	155,0	100,0

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35



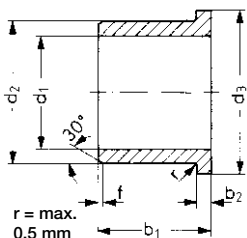
Funzionamento a secco ed elevata resistenza all'usura in una macchina per l'imballaggio.





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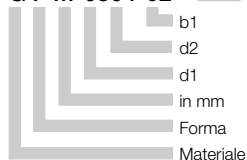
iglidur® G | Cuscinetto flangiato | in mm



Dimensioni in mm

Codice articolo:

G F M-0304-02



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	d3	b1		b2
					d13	h13	
GFM-0304-02	3,0	+0,014 +0,054	4,5	7,5	2,0	0,5	0,5
GFM-0304-0275	3,0	+0,014 +0,054	4,5	7,5	2,7	0,75	0,75
GFM-0304-03	3,0	+0,014 +0,054	4,5	7,5	3,0	0,75	0,75
GFM-0304-05	3,0	+0,014 +0,054	4,5	7,5	5,0	0,75	0,75
GFM-030407-05	3,0	+0,014 +0,054	4,5	7,0	5,0	0,75	0,75
GFM-0405-03	4,0	+0,020 +0,068	5,5	9,5	3,0	0,75	0,75
GFM-0405-04	4,0	+0,020 +0,068	5,5	9,5	4,0	0,75	0,75
GFM-0405-06	4,0	+0,020 +0,068	5,5	9,5	6,0	0,75	0,75
GFM-04050-04	4,0	+0,010 +0,040	5,0	9,5	4,0	0,5	0,5
GFM-04050-06	4,0	+0,010 +0,040	5,0	9,5	6,0	0,5	0,5
GFM-040508-10	4,0	+0,020 +0,068	5,5	8,0	10,0	1,0	1,0
GFM-0506-035	5,0	+0,010 +0,040	6,0	10,0	3,5	0,5	0,5
GFM-0506-04	5,0	+0,010 +0,040	6,0	10,0	4,0	0,5	0,5
GFM-0506-05	5,0	+0,010 +0,040	6,0	10,0	5,0	0,5	0,5
GFM-0506-06	5,0	+0,010 +0,040	6,0	10,0	6,0	0,5	0,5
GFM-0506-15	5,0	+0,010 +0,040	6,0	10,0	15,0	0,5	0,5
GFM-0507-03	5,0	+0,020 +0,068	7,0	11,0	3,5	1,0	1,0
GFM-0507-04	5,0	+0,020 +0,068	7,0	11,0	4,0	1,0	1,0
GFM-0507-05	5,0	+0,020 +0,068	7,0	11,0	5,0	1,0	1,0
GFM-0507-30	5,0	+0,020 +0,068	7,0	11,0	30,0	1,0	1,0
GFM-050709-05	5,0	+0,020 +0,068	7,0	9,5	5,0	1,0	1,0
GFM-050715-04	5,0	+0,020 +0,068	7,0	15,0	4,0	1,0	1,0
GFM-0607-024	6,0	+0,010 +0,040	7,0	11,0	2,4	0,5	0,5
GFM-0607-045	6,0	+0,010 +0,040	7,0	11,0	4,5	0,5	0,5
GFM-0607-06	6,0	+0,010 +0,040	7,0	11,0	6,0	0,5	0,5
GFM-0607-10	6,0	+0,010 +0,040	7,0	11,0	10,0	0,5	0,5
GFM-0608-025	6,0	+0,020 +0,068	8,0	12,0	2,5	1,0	1,0
GFM-0608-04	6,0	+0,020 +0,068	8,0	12,0	4,0	1,0	1,0
GFM-0608-048	6,0	+0,020 +0,068	8,0	12,0	4,8	1,0	1,0
GFM-0608-05	6,0	+0,020 +0,068	8,0	12,0	5,0	1,0	1,0
GFM-0608-06	6,0	+0,020 +0,068	8,0	12,0	6,0	1,0	1,0
GFM-0608-07	6,0	+0,020 +0,068	8,0	12,0	7,0	1,0	1,0
GFM-0608-08	6,0	+0,020 +0,068	8,0	12,0	8,0	1,0	1,0
GFM-0608-10	6,0	+0,020 +0,068	8,0	12,0	10,0	1,0	1,0
GFM-0608-25	6,0	+0,020 +0,068	8,0	12,0	25,0	1,0	1,0
GFM-0608-35	6,0	+0,020 +0,068	8,0	12,0	35,0	1,0	1,0
GFM-060814-028	6,0	+0,020 +0,068	8,0	14,0	2,8	1,0	1,0
GFM-060814-12	6,0	+0,020 +0,068	8,0	14,0	12,0	1,0	1,0
GFM-0708-03	7,0	+0,013 +0,049	8,0	12,0	3,0	0,5	0,5

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

Interpellateci in merito alla disponibilità di bocche in pollici o in dimensioni speciali

mm

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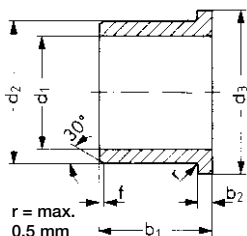
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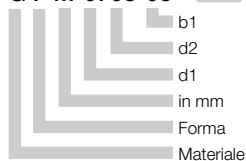
Internet: www.igus.it

E-Mail: igusitalia@igus.it



Dimensioni in mm

Code articolo:
G F M-0708-08



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensioni standard corrispondenti a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	d3 d13	b1 h13	b2 -0,14
GFM-0708-08	7,0	+0,013 +0,049	8,0	12,0	8,0	0,5
GFM-0709-035	7,0	+0,025 +0,083	9,0	15,0	3,5	1,0
GFM-0709-06	7,0	+0,025 +0,083	9,0	15,0	6,0	1,0
GFM-0709-10	7,0	+0,025 +0,083	9,0	15,0	10,0	1,0
GFM-0709-12	7,0	+0,025 +0,083	9,0	15,0	12,0	1,0
GFM-070919-10	7,0	+0,025 +0,083	9,0	19,0	10,0	1,0
GFM-0809-03	8,0	+0,013 +0,049	9,0	15,0	3,0	0,5
GFM-0809-055	8,0	+0,013 +0,049	9,0	13,0	5,5	0,5
GFM-0809-08	8,0	+0,013 +0,049	9,0	13,0	8,0	0,5
GFM-0809-12	8,0	+0,013 +0,049	9,0	13,0	12,0	0,5
GFM-0810-03	8,0	+0,025 +0,083	10,0	15,0	3,0	1,0
GFM-0810-04	8,0	+0,025 +0,083	10,0	15,0	4,0	1,0
GFM-0810-05	8,0	+0,025 +0,083	10,0	15,0	5,5	1,0
GFM-0810-065	8,0	+0,025 +0,083	10,0	15,0	6,5	1,0
GFM-0810-07	8,0	+0,025 +0,083	10,0	15,0	7,5	1,0
GFM-0810-09	8,0	+0,025 +0,083	10,0	15,0	9,5	1,0
GFM-0810-10	8,0	+0,025 +0,083	10,0	15,0	10,0	1,0
GFM-0810-15	8,0	+0,025 +0,083	10,0	15,0	15,0	1,0
GFM-0810-25	8,0	+0,025 +0,083	10,0	15,0	25,0	1,0
GFM-0810-30	8,0	+0,025 +0,083	10,0	15,0	30,0	1,0
GFM-081012-125	8,0	+0,025 +0,083	10,0	12,0	12,5	1,0
GFM-081013-08	8,0	+0,025 +0,083	10,0	13,0	8,0	1,0
GFM-081014-06	8,0	+0,025 +0,083	10,0	14,0	6,0	1,0
GFM-081014-08	8,0	+0,025 +0,083	10,0	14,0	8,0	1,0
GFM-081014-10	8,0	+0,025 +0,083	10,0	14,0	10,0	1,0
GFM-081016-11	8,0	+0,025 +0,083	10,0	16,0	11,5	1,5
GFM-081016-15	8,0	+0,025 +0,083	10,0	16,0	15,5	1,5
GFM-081017-15	8,0	+0,025 +0,083	10,0	17,0	15,0	1,0
GFM-0910-065	9,0	+0,013 +0,049	10,0	15,0	6,5	0,5
GFM-0910-17	9,0	+0,013 +0,049	10,0	15,0	17,5	0,5
GFM-1011-026	10,0	+0,013 +0,049	11,0	15,0	2,6	0,5
GFM-1011-044	10,0	+0,013 +0,049	11,0	15,0	4,4	0,5
GFM-1011-10	10,0	+0,013 +0,049	11,0	15,0	10,0	0,5
GFM-1012-035	10,0	+0,025 +0,083	12,0	18,0	3,5	1,0
GFM-1012-04	10,0	+0,025 +0,083	12,0	18,0	4,0	1,0
GFM-1012-05	10,0	+0,025 +0,083	12,0	18,0	5,0	1,0
GFM-1012-06	10,0	+0,025 +0,083	12,0	18,0	6,0	1,0
GFM-1012-07	10,0	+0,025 +0,083	12,0	18,0	7,0	1,0
GFM-1012-09	10,0	+0,025 +0,083	12,0	18,0	9,0	1,0

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

Interpellateci in merito alla disponibilità di bocche in pollici o in dimensioni speciali

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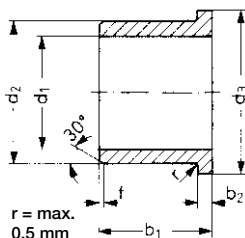
mm

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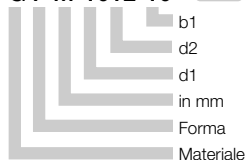
iglidur® G | Cuscinetto flangiato | in mm



Dimensioni in mm

Code articolo:

G F M-1012-10



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 6-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	b1		b2
				d13	h13	
GFM-1012-10	10,0	+0,025 +0,083	12,0	18,0	10,0	1,0
GFM-1012-12	10,0	+0,025 +0,083	12,0	18,0	12,0	1,0
GFM-1012-15	10,0	+0,025 +0,083	12,0	18,0	15,0	1,0
GFM-1012-17	10,0	+0,025 +0,083	12,0	18,0	17,0	1,0
GFM-101214-07	10,0	+0,025 +0,083	12,0	14,0	7,0	1,0
GFM-101215-12	10,0	+0,025 +0,083	12,0	15,0	12,0	1,0
GFM-101216-06	10,0	+0,025 +0,083	12,0	16,0	6,0	1,0
GFM-101216-09	10,0	+0,025 +0,083	12,0	16,0	9,0	1,0
GFM-101216-15	10,0	+0,025 +0,083	12,0	16,0	15,0	1,0
GFM-1213-03	12,0	+0,016 +0,059	13,0	17,0	3,0	0,5
GFM-1213-12	12,0	+0,016 +0,059	13,0	17,0	12,0	0,5
GFM-1214-03	12,0	+0,032 +0,102	14,0	20,0	3,0	1,0
GFM-1214-06	12,0	+0,032 +0,102	14,0	20,0	6,0	1,0
GFM-1214-07	12,0	+0,032 +0,102	14,0	20,0	7,0	1,0
GFM-1214-09	12,0	+0,032 +0,102	14,0	20,0	9,0	1,0
GFM-1214-10	12,0	+0,032 +0,102	14,0	20,0	10,0	1,0
GFM-1214-11	12,0	+0,032 +0,102	14,0	20,0	11,0	1,0
GFM-1214-12	12,0	+0,032 +0,102	14,0	20,0	12,0	1,0
GFM-1214-15	12,0	+0,032 +0,102	14,0	20,0	15,0	1,0
GFM-1214-17	12,0	+0,032 +0,102	14,0	20,0	17,0	1,0
GFM-1214-20	12,0	+0,032 +0,102	14,0	20,0	20,0	1,0
GFM-1214-24	12,0	+0,032 +0,102	14,0	20,0	24,0	1,0
GFM-121418-04	12,0	+0,032 +0,102	14,0	18,0	4,0	1,0
GFM-121418-08	12,0	+0,032 +0,102	14,0	18,0	8,0	1,0
GFM-121418-10	12,0	+0,032 +0,102	14,0	18,0	10,0	1,0
GFM-121418-12	12,0	+0,032 +0,102	14,0	18,0	12,0	1,0
GFM-121418-15	12,0	+0,032 +0,102	14,0	18,0	15,0	1,0
GFM-121418-20	12,0	+0,032 +0,102	14,0	18,0	20,0	1,0
GFM-1315-06	13,0	+0,032 +0,102	15,0	22,0	6,0	1,0
GFM-1416-03	14,0	+0,032 +0,102	16,0	22,0	3,0	1,0
GFM-1416-04	14,0	+0,032 +0,102	16,0	22,0	4,0	1,0
GFM-1416-06	14,0	+0,032 +0,102	16,0	22,0	6,0	1,0
GFM-1416-08	14,0	+0,032 +0,102	16,0	22,0	8,0	1,0
GFM-1416-10	14,0	+0,032 +0,102	16,0	22,0	10,0	1,0
GFM-1416-12	14,0	+0,032 +0,102	16,0	22,0	12,0	1,0
GFM-1416-17	14,0	+0,032 +0,102	16,0	22,0	17,0	1,0
GFM-1416-21	14,0	+0,032 +0,102	16,0	22,0	21,0	1,0
GFM-1516-02	15,0	+0,016 +0,059	16,0	20,0	2,0	0,5

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

mm

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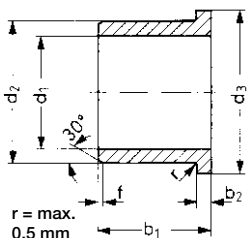
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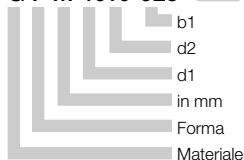
Internet: www.igus.it

E-Mail: igusitalia@igus.it



Dimensioni in mm

Code articolo:
G F M-1516-025



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

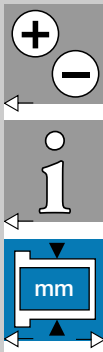
Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	d3	b1	b2
				d13	h13	-0,14
GFM-1516-025	15,0	+0,016 +0,059	16,0	20,0	2,5	0,5
GFM-1516-03	15,0	+0,016 +0,059	16,0	20,0	3,0	0,5
GFM-1516-15	15,0	+0,016 +0,059	16,0	20,0	15,0	0,5
GFM-1517-04	15,0	+0,032 +0,102	17,0	23,0	4,0	1,0
GFM-1517-045	15,0	+0,032 +0,102	17,0	23,0	4,5	1,0
GFM-1517-05	15,0	+0,032 +0,102	17,0	23,0	5,0	1,0
GFM-1517-09	15,0	+0,032 +0,102	17,0	23,0	9,0	1,0
GFM-1517-12	15,0	+0,032 +0,102	17,0	23,0	12,0	1,0
GFM-1517-17	15,0	+0,032 +0,102	17,0	23,0	17,0	1,0
GFM-1517-20	15,0	+0,032 +0,102	17,0	23,0	20,0	1,0
GFM-151824-32	15,0	+0,032 +0,102	18,0	24,0	32,0	1,5
GFM-1618-04	16,0	+0,032 +0,102	18,0	24,0	4,0	1,0
GFM-1618-06	16,0	+0,032 +0,102	18,0	24,0	6,0	1,0
GFM-1618-09	16,0	+0,032 +0,102	18,0	24,0	9,0	1,0
GFM-1618-12	16,0	+0,032 +0,102	18,0	24,0	12,0	1,0
GFM-1618-17	16,0	+0,032 +0,102	18,0	24,0	17,0	1,0
GFM-1618-21	16,0	+0,032 +0,102	18,0	24,0	21,0	1,0
GFM-1719-09	17,0	+0,032 +0,102	19,0	25,0	9,0	1,0
GFM-1719-25	17,0	+0,032 +0,102	19,0	25,0	25,0	1,0
GFM-1820-04	18,0	+0,032 +0,102	20,0	26,0	4,0	1,0
GFM-1820-06	18,0	+0,032 +0,102	20,0	26,0	6,0	1,0
GFM-1820-09	18,0	+0,032 +0,102	20,0	26,0	9,0	1,0
GFM-1820-11	18,0	+0,032 +0,102	20,0	26,0	11,0	1,0
GFM-1820-12	18,0	+0,032 +0,102	20,0	26,0	12,0	1,0
GFM-1820-17	18,0	+0,032 +0,102	20,0	26,0	17,0	1,0
GFM-1820-22	18,0	+0,032 +0,102	20,0	26,0	22,0	1,0
GFM-1820-30	18,0	+0,032 +0,102	20,0	26,0	30,0	1,0
GFM-1820-32	18,0	+0,032 +0,102	20,0	26,0	32,0	1,0
GFM-182022-06	18,0	+0,032 +0,102	20,0	22,0	6,0	1,0
GFM-1822-28	18,0	+0,032 +0,102	22,0	26,0	28,0	2,0
GFM-2021-20	20,0	+0,020 +0,072	21,0	25,0	20,0	0,5
GFM-2023-07	20,0	+0,040 +0,124	23,0	30,0	7,0	1,5
GFM-2023-11	20,0	+0,040 +0,124	23,0	30,0	11,5	1,5
GFM-2023-16	20,0	+0,040 +0,124	23,0	30,0	16,5	1,5
GFM-2023-21	20,0	+0,040 +0,124	23,0	30,0	21,5	1,5
GFM-202326-21	20,0	+0,040 +0,124	23,0	26,0	21,5	1,5
GFM-202328-15	20,0	+0,040 +0,124	23,0	28,0	15,0	1,5
GFM-222535-315	22,0	+0,040 +0,124	25,0	35,0	31,5	1,5

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

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mm

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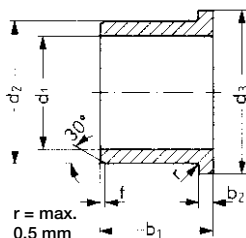


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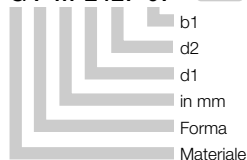
mm

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Dimensioni in mm

Codice articolo:
G F M-2427-07



Smusso in funzione del diametro interno d1

d1 [mm]: Ø 1-6 | Ø 6-12 | Ø 12-30 | Ø > 30

f [mm]: 0,3 | 0,5 | 0,8 | 1,2

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

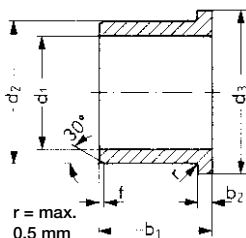
Articolo	d1	Tolleranze d1*	d2	d3		b2
				d13	h13	
GFM-2427-07	24,0	+0,040 +0,124	27,0	32,0	7,0	1,5
GFM-2427-10	24,0	+0,040 +0,124	27,0	32,0	10,0	1,5
GFM-2526-25	25,0	+0,020 +0,072	26,0	30,0	25,0	0,5
GFM-2527-48	25,0	+0,040 +0,124	27,0	32,0	48,0	1,0
GFM-2528-11	25,0	+0,040 +0,124	28,0	35,0	11,5	1,5
GFM-2528-16	25,0	+0,040 +0,124	28,0	35,0	16,5	1,5
GFM-2528-21	25,0	+0,040 +0,124	28,0	35,0	21,5	1,5
GFM-2830-10	28,0	+0,040 +0,124	30,0	36,0	10,0	1,0
GFM-2830-36	28,0	+0,040 +0,124	30,0	35,0	36,0	1,0
GFM-283239-20	28,0	+0,040 +0,124	32,0	39,0	20,0	2,0
GFM-3031-20	30,0	+0,040 +0,124	31,0	36,0	20,0	0,5
GFM-3031-30	30,0	+0,040 +0,124	31,0	35,0	30,0	0,5
GFM-3032-04	30,0	+0,040 +0,124	32,0	37,0	4,0	1,0
GFM-3032-12	30,0	+0,040 +0,124	32,0	37,0	12,0	1,0
GFM-3032-17	30,0	+0,040 +0,124	32,0	37,0	17,5	1,0
GFM-3032-22	30,0	+0,040 +0,124	32,0	37,0	22,0	1,0
GFM-3034-09	30,0	+0,040 +0,124	34,0	42,0	9,0	2,0
GFM-3034-16	30,0	+0,040 +0,124	34,0	42,0	16,0	2,0
GFM-3034-20	30,0	+0,040 +0,124	34,0	42,0	20,0	2,0
GFM-3034-26	30,0	+0,040 +0,124	34,0	42,0	26,0	2,0
GFM-3034-37	30,0	+0,040 +0,124	34,0	42,0	37,0	2,0
GFM-3236-16	32,0	+0,050 +0,150	36,0	40,0	16,0	2,0
GFM-3236-26	32,0	+0,050 +0,150	36,0	40,0	26,0	2,0
GFM-343850-35	34,0	+0,050 +0,150	38,0	50,0	35,0	2,0
GFM-3539-058	35,0	+0,050 +0,150	39,0	47,0	5,8	2,0
GFM-3539-07	35,0	+0,050 +0,150	39,0	47,0	7,0	2,0
GFM-3539-16	35,0	+0,050 +0,150	39,0	47,0	16,0	2,0
GFM-3539-26	35,0	+0,050 +0,150	39,0	47,0	26,0	2,0
GFM-3539-36	35,0	+0,050 +0,150	39,0	47,0	36,0	2,0
GFM-3842-22	38,0	+0,050 +0,150	42,0	54,0	22,0	2,0
GFM-4044-07	40,0	+0,050 +0,150	44,0	52,0	7,0	2,0
GFM-4044-14	40,0	+0,050 +0,150	44,0	52,0	14,0	2,0
GFM-4044-20	40,0	+0,050 +0,150	44,0	52,0	20,0	2,0

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

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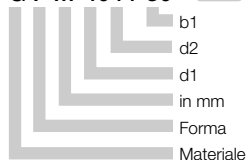
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Robbiate (LC)

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E-Mail: igusitalia@igus.it



Dimensioni in mm

Code articolo:
G F M-4044-30



Smusso in funzione del diametro interno d1

d1 [mm]:	Ø 1-6	Ø 6-12	Ø 12-30	Ø > 30
f [mm]:	0,3	0,5	0,8	1,2

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	Tolleranze d1*	d2	d3 d13	b1 h13	b2 -0,14
GFM-4044-30	40,0	+0,050 +0,150	44,0	52,0	30,0	2,0
GFM-4044-40	40,0	+0,050 +0,150	44,0	52,0	40,0	2,0
GFM-4044-50	40,0	+0,050 +0,150	44,0	52,0	50,0	2,0
GFM-4246-19	42,0	+0,050 +0,150	46,0	53,0	19,0	2,0
GFM-4550-25	45,0	+0,050 +0,150	50,0	58,0	25,0	2,0
GFM-4550-30	45,0	+0,050 +0,150	50,0	58,0	30,0	2,0
GFM-4550-50	45,0	+0,050 +0,150	50,0	58,0	50,0	2,0
GFM-5055-07	50,0	+0,050 +0,150	55,0	63,0	7,0	2,0
GFM-5055-10	50,0	+0,050 +0,150	55,0	63,0	10,0	2,0
GFM-5055-25	50,0	+0,050 +0,150	55,0	63,0	25,0	2,0
GFM-5055-40	50,0	+0,050 +0,150	55,0	63,0	40,0	2,0
GFM-5055-50	50,0	+0,050 +0,150	55,0	63,0	50,0	2,0
GFM-6065-22	60,0	+0,060 +0,180	65,0	73,0	22,0	2,0
GFM-6065-30	60,0	+0,060 +0,180	65,0	73,0	30,0	2,0
GFM-6065-50	60,0	+0,060 +0,180	65,0	73,0	50,0	2,0
GFM-606580-62	60,0	+0,060 +0,180	65,0	80,0	62,0	2,0
GFM-6570-50	65,0	+0,060 +0,180	70,0	78,0	50,0	2,0
GFM-7075-50	70,0	+0,060 +0,180	75,0	83,0	50,0	2,0
GFM-7580-50	75,0	+0,060 +0,180	80,0	88,0	50,0	2,0
GFM-8085-100	80,0	+0,060 +0,180	85,0	93,0	100,0	2,5
GFM-8590-100	85,0	+0,072 +0,212	90,0	98,0	100,0	2,5
GFM-9095-100	90,0	+0,072 +0,212	95,0	103,0	100,0	2,5
GFM-95100-100	95,0	+0,072 +0,212	100,0	108,0	100,0	2,5
GFM-100105-425	100,0	+0,072 +0,212	105,0	113,0	42,5	2,5
GFM-100105-100	100,0	+0,072 +0,212	105,0	113,0	100,0	2,5
GFM-110115-100	110,0	+0,072 +0,212	115,0	123,0	100,0	2,5
GFM-120125-100	120,0	+0,072 +0,212	125,0	133,0	100,0	2,5
GFM-125130-100	125,0	+0,085 +0,245	130,0	138,0	100,0	2,5
GFM-130135-100	130,0	+0,085 +0,245	135,0	143,0	100,0	2,5
GFM-140145-100	140,0	+0,085 +0,245	145,0	153,0	100,0	2,5
GFM-150155-40	150,0	+0,085 +0,245	155,0	163,0	40,0	2,5
GFM-150155-100	150,0	+0,085 +0,245	155,0	163,0	100,0	2,5

* Dopo piantaggio. Verifiche dimensionali ► Pagina 1.35

iglidur® G – Forma F

mm

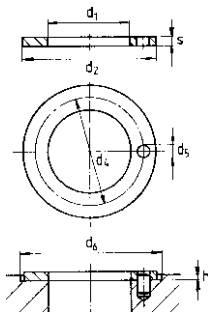
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Fax +39 - 039 - 5906222





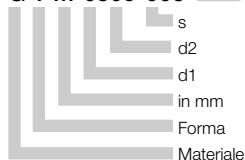
igus®

iglidur® G | Ralla | in mm



Dimensioni in mm

Codice articolo:
G T M-0509-006



mm

iglidur® G – Forma T

Dimensioni standard corrispondenti
a ISO 3547-1 e dimensioni speciali

Articolo	d1	d2	s	d4	d5	h	d6
	+0,25	-0,25	-0,05	-0,12	+0,125	-0,2	+0,12
				+0,12	+0,375	+0,2	
GTM-0509-006	5,0	9,5	0,6	**	**	0,3	9,5
GTM-0615-015	6,0	15,0	1,5	**	**	1,0	15
GTM-0620-015	6,0	20,0	1,5	13,0	1,5	1,0	20
GTM-0713-005	7,0	13,0	0,5	**	**	0,2	13
GTM-0815-005	8,0	15,0	0,5	**	**	0,2	15
GTM-0815-015	8,0	15,0	1,5	**	**	1,0	15
GTM-0818-010	8,0	18,0	1,0	**	**	0,7	18
GTM-0818-015	8,0	18,0	1,5	13,0	1,5	1,0	18
GTM-0918-015	9,0	18,0	1,5	13,5	1,5	1,0	18
GTM-1018-010	10,0	18,0	1,0	**	**	0,7	18
GTM-1018-020	10,0	18,0	2,0	**	**	1,5	18
GTM-1224-015	12,0	24,0	1,5	18,0	1,5	1,0	24
GTM-1420-015	14,0	20,0	1,5	**	**	1,0	20
GTM-1426-015	14,0	26,0	1,5	20,0	2,0	1,0	26
GTM-1522-008	15,0	22,0	0,8	**	**	0,5	22
GTM-1524-015	15,0	24,0	1,5	19,5	1,5	1,0	24
GTM-1524-0275	15,0	24,0	2,75	**	**	2,0	24
GTM-1630-015	16,0	30,0	1,5	22,0	2,0	1,0	30
GTM-1832-015	18,0	32,0	1,5	25,0	2,0	1,0	32
GTM-2036-015	20,0	36,0	1,5	28,0	3,0	1,0	36
GTM-2238-015	22,0	38,0	1,5	30,0	3,0	1,0	38
GTM-2442-015	24,0	42,0	1,5	33,0	3,0	1,0	42
GTM-2644-015	26,0	44,0	1,5	35,0	3,0	1,0	44
GTM-2835-005	28,5	35,8	0,5	**	**	0,2	35,8
GTM-2848-015	28,0	48,0	1,5	38,0	4,0	1,0	48
GTM-3254-015	32,0	54,0	1,5	43,0	4,0	1,0	54
GTM-3862-015	38,0	62,0	1,5	50,0	4,0	1,0	62
GTM-4266-015	42,0	66,0	1,5	54,0	4,0	1,0	66
GTM-4874-020	48,0	74,0	2,0	61,0	4,0	1,5	74
GTM-5278-020	52,0	78,0	2,0	65,0	4,0	1,5	78
GTM-6290-020	62,0	90,0	2,0	76,0	4,0	1,5	90
GTM-6881-020	68,0	81,0	2,0	**	**	1,5	81

** Esecuzione senza foro di fissaggio

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