

Buyers guide

Ball socket joints and bearings













Spherical plain bearings



Part number	GE-ES	GE-ES-2RS	GE-C	GE-ET-2RS	CSS
DIN 648	DIN 648	DIN 648	DIN 648	DIN 648	DIN ISO12240-1
Description	-	with sealed joint	-	with sealed joint	-
Ring / sphere materials	steel / steel	steel / steel	hard chrome / PTFE	hard chrome / PTFE	steel / self lubrication steel
Bore-size (mm)	Ø6 → Ø110	Ø15 → Ø110	Ø6 → Ø30	Ø17 → Ø110	Ø6 → Ø30
Maintenance					
Load indication	☆☆☆	☆☆☆	☆☆☆ one-directional	☆☆☆ one-directional	☆☆☆
Withstands shocks	✓	✓	✗	✗	✓
Oscillation speed	☆☆☆	☆☆☆	☆	☆	☆☆☆
Quality	☆☆	☆☆	☆☆	☆☆	☆☆
Price	€	€	€€	€€	€€€
Pages	3 118	3 119	3 120	3 121	3 122

 : with  : without

Rod end bearings

						
	SSE	DGSA	DGSI	CMM	CFF	SME, SFE
	Unibal®	DIN 648	DIN 648	DIN 12240-4	DIN 12240-4	Unibal®
	-	male	female	male	female	male / female
	stainless steel / PTFE	steel / steel	steel / steel	steel or s/steel / bronze self-lubricating	steel or s/steel / bronze self-lubricating	stainless steel / PTFE
	Ø3 → Ø18	Ø6 → Ø80	Ø6 → Ø80	Ø4 → Ø20	Ø5 → Ø35	Ø2 → Ø18
						
	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
	X	✓	✓	X	X	X
	☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆
	☆☆☆	☆☆	☆☆	☆☆	☆☆	☆☆☆
	€€€€	€€	€€	€€€	€€€	€€€€
	③ 124	③ 126	③ 128	③ 130	③ 131	③ 134