Rod ends with a threaded shank, requiring maintenance

See chapter 6 starting on **page 167**

Bearing design Rod ends with a threaded shank, requiring maintenance	**Designation/** bore diameter range	**Characteristics**
Sliding contact surface combination: Steel/steel Suitable for heavy static or alternating loads, shock loads		
 SI series  SA series	**SI(L) .. E** d = 6 – 12 mm **SA(L) .. E** d = 6 – 12 mm	With an open bearing (without seals), no relubrication facilities, available with a right-hand or left-hand thread (designation prefix L)

Bearing design Rod ends with a threaded shank, requiring maintenance	**Designation/** bore diameter range	**Characteristics**
Sliding contact surface combination: Steel/steel Suitable for heavy static or alternating loads, shock loads		
 SI series SA series	**SI(L) .. ES** d = 15 – 30 mm **SA(L) .. ES** d = 15 – 30 mm	With an open bearing (without seals), can be lubricated via the relubrication facility in the rod end housing and via the pin (shaft), available with a right-hand or left-hand thread
 SI(A) series SA(A) series	**SI(L) .. ES-2RS** d = 35 – 80 mm **SA(L) .. ES-2RS** d = 35 – 80 mm **SI(L)A .. ES-2RS** d = 40 – 80 mm **SA(L)A .. ES-2RS** d = 40 – 80 mm	With a double-lip seal on both sides of the bearing, can be lubricated via the relubrication facility in the rod end housing and via the pin (shaft), available with a right-hand or left-hand thread SIA and SAA series with different fitting dimensions (thread, height of the housing)
Sliding contact surface combination: Steel/steel Suitable for hydraulic cylinders, the slotted shank enables the rod end to be secured by tightening bolts		
	**SI(L)J .. ES** d = 16 – 100 mm **SI(L)J 12 E** d = 12 mm	With an open bearing (without seals), available with a right-hand or left-hand thread Sizes 16 and larger can be lubricated via the relubrication facility in the rod end housing and via the pin (shaft) No relubrication facilities
	**SI(L)R .. ES** d = 25 – 120 mm	With an open bearing (without seals), compact design, shorter female thread, can be lubricated via the relubrication facility in the rod end housing and via the pin (shaft), available with a right-hand or left-hand thread
	**SI(L)QG .. ES** d = 16 – 200 mm **SI(L)QG 12 ESA** d = 12 mm	With an open bearing (without seals), with an inner ring extended on both sides, can be lubricated via the relubrication facility in the rod end housing and via the pin (shaft), available with a right-hand or left-hand thread Can only be relubricated via the relubrication facilities in the rod end housing

Bearing design	Designation/ bore diameter range	Characteristics
Sliding contact surface combination: Steel/bronze Lower load carrying capacity compared to steel/steel rod ends, but more suitable for applications where lubricant starvation might occur		
 SIKAC .. M	**SI(L)KAC .. M** d = 5 – 30 mm	With an open bearing (without seals), available with a right-hand or left-hand thread
 SAKAC .. M	**SA(L)KAC .. M** d = 5 – 30 mm	Sizes 6 and larger can be lubricated via the relubrication facility in the rod end shank or housing

Rod ends with a welding shank, requiring maintenance

See chapter 6 starting on **page 167**

Bearing design	Designation/ bore diameter range	Characteristics
Sliding contact surface combination: Steel/steel Suitable for heavy static or alternating loads, shock loads		
	**SC ..ES** d = 20 – 80 mm	With an open bearing (without seals), can be lubricated via a the relubrication facility in the rod end housing and via the pin (shaft) Primarily used for welding to piston rods and the bases of hydraulic cylinders Centred by a dowel pin
	**SCF ..ES** d = 20 – 120 mm	With an open bearing (without seals); can be lubricated via the the relubrication facility in the rod end housing and via the pin (shaft); high capacity design rod end compared to SC .. ES series, to enable heavier static loads Rectangular welding shank without a dowel pin

Maintenance-free rod ends with a threaded shank

See chapter 7 starting on **page 189**

Bearing design Maintenance-free rod ends with a threaded shank	Designation/ bore diameter range	Characteristics

Sliding contact surface combination: Steel/PTFE sintered bronze
Suitable for heavy, constant direction loads, where low coefficient of friction is required; limited suitability for alternating loads, shock loads

SI .. C

SA .. C

SI(L) .. C
d = 6 – 30 mm

SA(L) .. C
d = 6 – 30 mm

With an open bearing (without seals), available with a right-hand or left-hand thread

Sliding contact surface combination: Steel/PTFE fabric
Suitable for very heavy, constant direction loads, where low coefficient of friction is required; limited suitability for alternating loads, shock loads

SI(A) .. TXE-2LS

SA(A) .. TXE-2LS

SI(L) .. TXE-2LS
d = 35 – 80 mm

SA(L) .. TXE-2LS
d = 35 – 80 mm

With a high performance bearing with a triple-lip heavy-duty seal on both sides of the bearing, available with a right-hand or left-hand thread

SI(L)A .. TXE-2LS
d = 40 – 60 mm

SA(L)A .. TXE-2LS
d = 40 – 60 mm

SIA and SAA series with different fitting dimensions (thread, height of the housing)

Sliding contact surface combination: Steel/PTFE FRP
Suitable for heavy, constant direction loads, where low coefficient of friction is required; limited suitability for alternating loads, shock loads

SIKB .. F

SAKB .. F

SI(L)KB .. F
d = 5 – 22 mm

SA(L)KB .. F
d = 5 – 22 mm

With an open bearing (without seals), but relatively insensitive to contaminants, available with a right-hand or left-hand thread