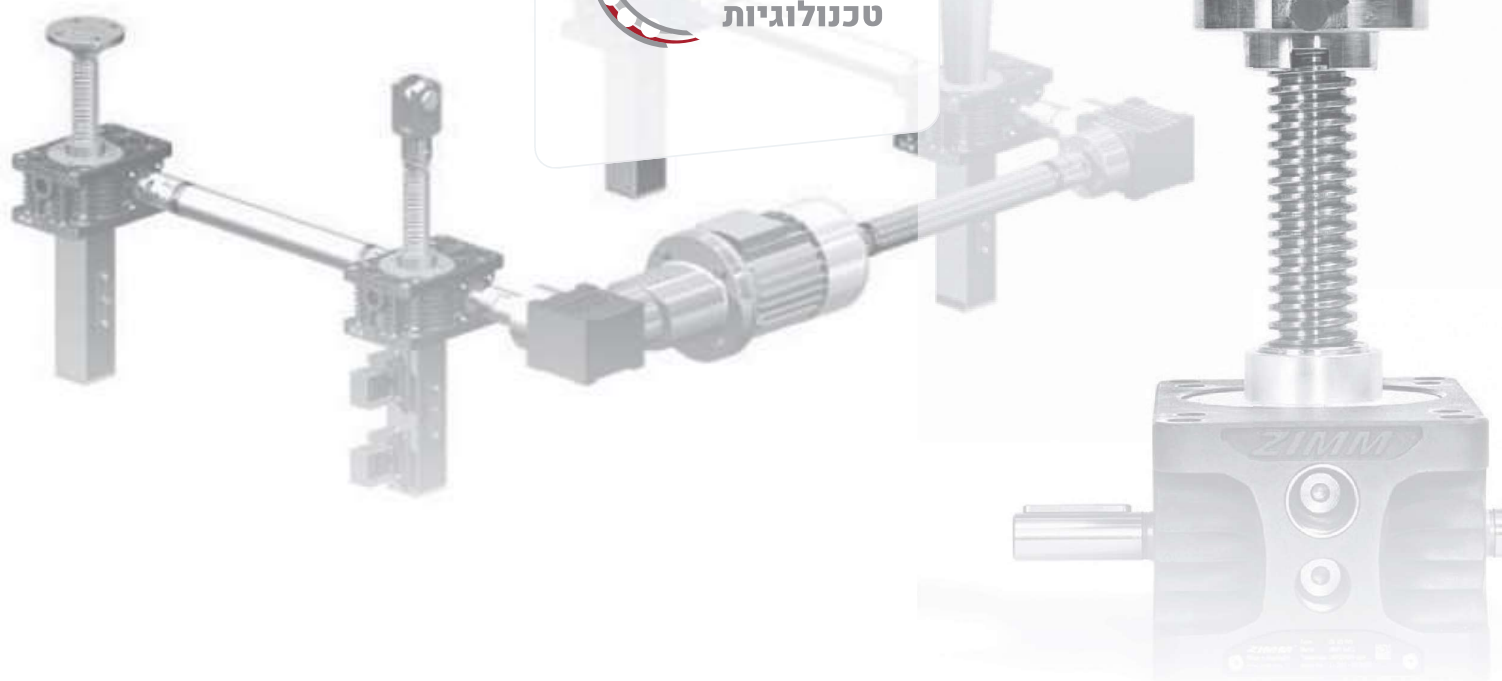




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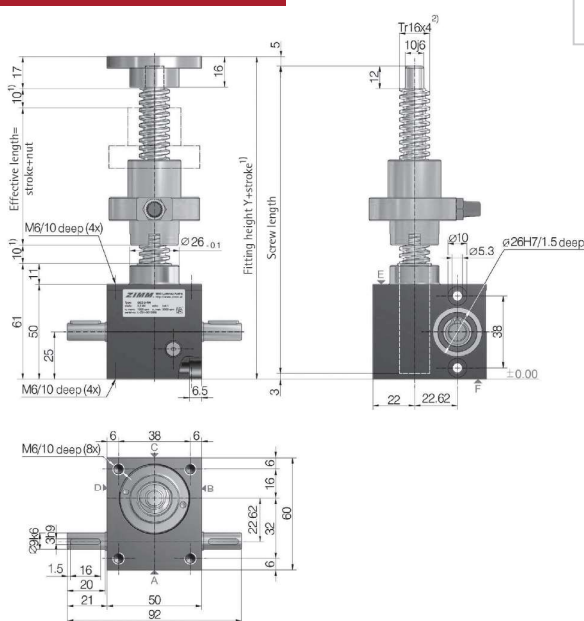
ג'קים בורגיים | Screw Jack Systems

ברגים טרפזיים • Trapezoidal Screws 235 - 243

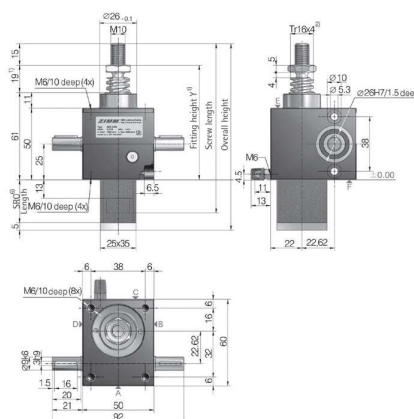
ניתן לקבל ג'קים עד 1,000KN

Trapezoidal screw Tr
ברג טרפזי

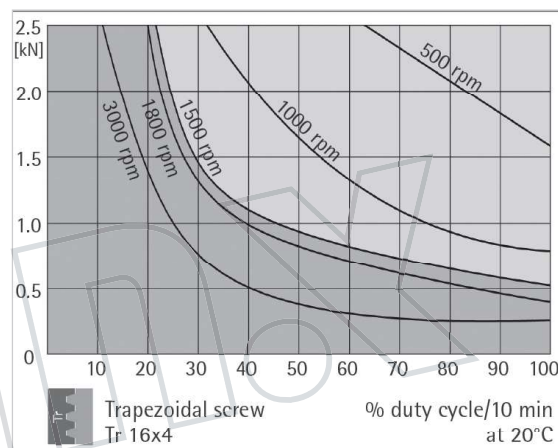
GSZ-2-R-2.5 KN: בורג מסתובב



GSZ-2-S-2.5 KN: אום מסתובב



מחזור ההעמסה



יחס העברה

Type	Version	Speed	Standard screw ²⁾	i	Stroke per drive shaft rotation ³⁾
GSZ-2-SN	Translating	Normal	Tr 16x4	4:1	1.00 mm
GSZ-2-SL	screw	Low speed	Tr 16x4	16:1	0.25 mm
GSZ-2-RN	Rotating	Normal	Tr 16x4	4:1	1.00 mm
GSZ-2-RL	screw	Low speed	Tr 16x4	16:1	0.25 mm

יחס העברה = i

Fitting height "Y" for 0-stroke, with Tr 16x4 screw

Dimensions	Flange nut FM	Duplex nut DM	Duplex nut DM with SIFA
Y/A	Y/A	Y/A	Y/A
without bellows FB	132/83	142/96	167/121
2x GSZ-2-FB-182	-	198/124	220/146
2x GSZ-2-FB-364	-	318/184	340/206

Detailed instructions for determining the length can be found in Section 8

Fitting height "Y" for 0-stroke, with Tr 16x4 screw

Dimensions	Standard screw end*	Fixing flange BF	Forked end GK*	Rod end KGK*
Y	Y	Y	Y	Y
without bellows FB	80	96	120	123
GSZ-2-FB-182	117	116	157	160
GSZ-2-FB-364	177	176	217	220

*with bellows fixing ring Z-2-FBR

נתונים טכניים

max. compressive/tensile force, static	- 2.5 kN (250 kg)
max. compressive/tensile force, dynamic	- see duty cycle curves
Nominal speed	- 1500 rpm
max. drive shaft speed	- 3000 rpm (depending on the load and duty cycle)
Screw size standard	- Tr 16x4 ²⁾
Gear ratio	- 4:1 (N) / 16:1 (L)
Housing material	- aluminium, corrosion-resistant
Worm shaft	- stainless steel, ground
Weight of screw jack body	- 0.6 kg
Weight of screw/m	- 1.21 kg
Gearbox lubrication	- synthetic fluid grease
Screw lubrication	- grease lubrication
Gearbox operating temperature	- max. 60°C, higher on request
Moment of inertia	- N: 0.081 kg cm ² / L: 0.037 kg cm ²
Input torque (at 1500 rpm)	- max. 1.4 Nm (N) / max. 0.5 Nm (L)
Drive-through torque	- max. 9 Nm

Drive torque M _d (Nm)	- F (kN) x 0.52 ³⁾ + M _L (N-normal)
Breakaway torque	- F (kN) x 0.15 ³⁾ + M _L (L-low speed)
Idling torque ⁴⁾ M _L (Nm)	- Drive torque M _d x 1.5
	- 0.08 (N-normal) / 0.06 (L-low speed)

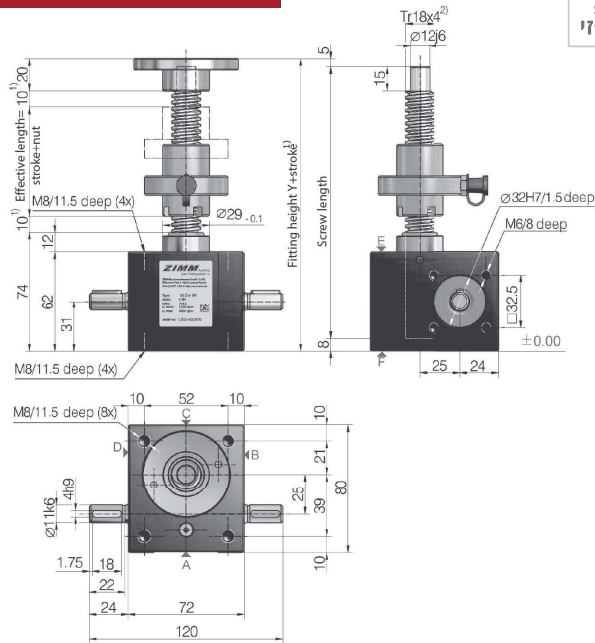
Between gearbox and nut or nut and end of thread, provide for a safety distance of (minimum) 10 mm!
See Section 7 for the checklist.

Important information

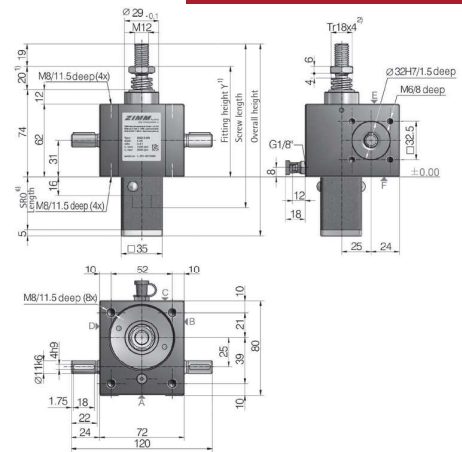
- 1) - extension if a bellows is fitted: see the table or Section 8
- 2) - Tr 16x4 is standard, also available: double-pitch, stainless steel, left-handed, increased screw Tr 18x4 (only for the R version)
- 3) - factor includes efficiency, ratio and 30% safety
- 4) - at 20°C, can be higher when new
- 5) - for a 4 mm screw pitch



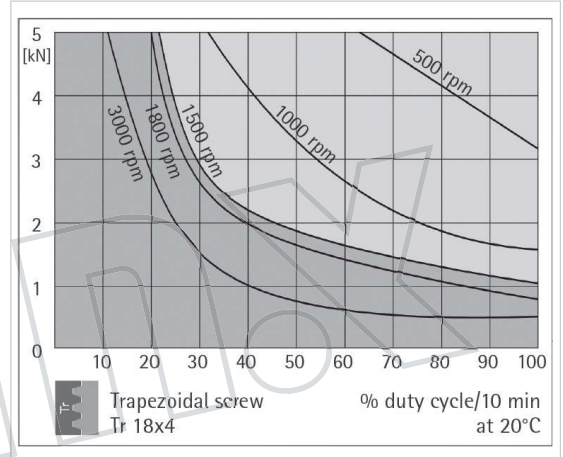
GSZ-5-R-5 KN בורג מסתובב:



GSZ-5-S-5 KN אום מסתובב:



מחזור ההעמסה



יחס העברה

Type	Version	Speed	Standard screw ¹⁾	i	Stroke per drive shaft rotation ²⁾
GSZ-5-SN	Translating	Normal	Tr 18x4	4:1	1.00 mm
GSZ-5-SL	screw	Low speed	Tr 18x4	16:1	0.25 mm
GSZ-5-RN	Rotating	Normal	Tr 18x4	4:1	1.00 mm
GSZ-5-RL	screw	Low speed	Tr 18x4	16:1	0.25 mm

i = יחס העברה

¹⁾Fitting height "Y" for 0-stroke, with Tr 18x4 screw

All dimensions in mm	Flange nut FM	Duplex nut DM	Duplex nut DM with SIFA	Self-aligning nut PM	Greasless nut FFDM
Bellocs FB	Y/A	Y/A	Y/A	Y/A	Y/A
without bellocs FB	149/96	159/109	184/134	192/141	167/117
2x Z-5-FB-265	-	207/132	229/154	240/164	215/140
2x Z-5-FB-500	-	337/197	359/219	370/229	345/205
2x Z-5-FB-800	-	377/217	399/239	410/249	385/225

Detailed instructions for determining the length can be found in Section 8

¹⁾Fitting height "Y" for 0-stroke, with Tr 18x4 screw

All dimensions in mm	Standard screw end*	Fixing flange BF	Forked end GK*	Rod end KGK*	Pivot bearing end SLK
Bellocs FB	Y	Y	Y	Y	Y
without bellocs FB	94	114	142	144	142
Z-5-FB-265	127	127	175	177	155
Z-5-FB-500	192	192	240	242	220
Z-5-FB-800	212	212	260	262	240

*with bellocs fixing ring Z-5-FBR

נתונים טכניים

max. compressive/tensile force, static	- 5 kN (500 kg)
max. compressive/tensile force, dynamic	- see duty cycle curves
Nominal speed	- 1500 rpm
max. drive shaft speed	- 3000 rpm (depending on the load and duty cycle)
Screw size standard	- Tr 18x4 ²⁾
Gear ratio	- 4:1 (N) / 16:1 (L)
Housing material	- aluminium, corrosion-resistant
Worm shaft	- steel, case-hardened, ground
Weight of screw jack body	- 1.2 kg
Weight of screw/m	- 1.58 kg
Gearbox lubrication	- synthetic fluid grease
Screw lubrication	- grease lubrication
Gearbox operating temperature	- max. 60°C, higher on request
Moment of inertia	- N: 0.217 kg cm ² / L: 0.117 kg cm ²
Input torque (at 1500 rpm)	- max. 4.7 Nm (N) / max. 1.5 Nm (L)
Drive-through torque	- max. 39 Nm

Drive torque M ₀ (Nm)	- F (kN) x 0.62 ³⁾ + M _L (N-normal)
Breakaway torque	- F (kN) x 0.21 ³⁾ + M _L (L-low speed)
Idling torque ⁴⁾ M _L (Nm)	- Drive torque M ₀ x 1.5
	- 0.10 (N-normal) / 0.08 (L-low speed)

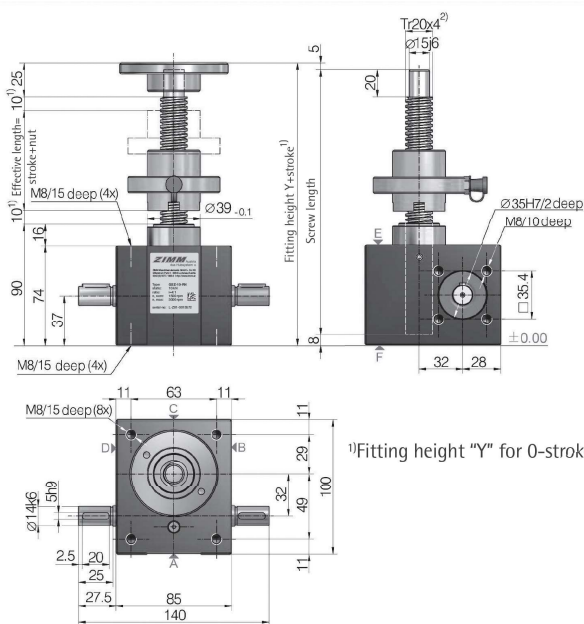
Between gearbox and nut or nut and end of thread, provide for a safety distance of (minimum) 10 mm!
See Section 7 for the checklist.

Important information

- 1) - extension if a bellocs or spiral spring is fitted: see the table or Section 8
- 2) - Tr 18x4 is standard, also available: double-pitch, stainless steel, left-handed, increased screw Tr 20x4 (only for the R version)
- 3) - factor includes efficiency, ratio and 30% safety
- 4) - at 20°C, can be higher when new
- 5) - for a 4 mm screw pitch

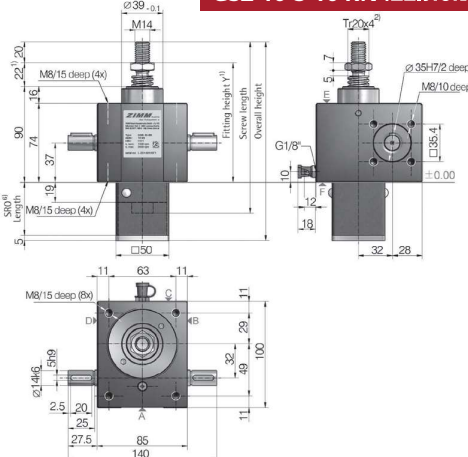
Trapezoidal screw Tr
בורג טרפזי

GSZ-10-R-10 KN: בורג מסתובב

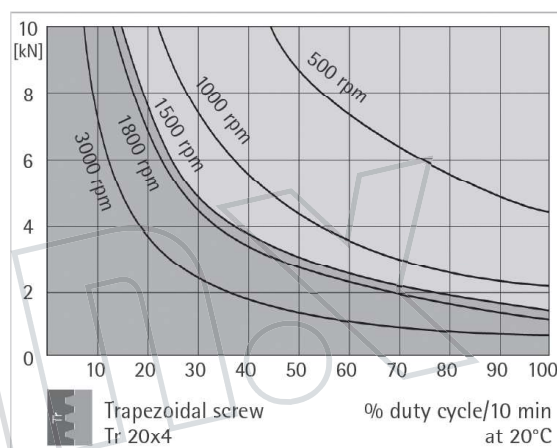


Fitting height "Y" for 0-stroke, with Tr 20x4 screw

GSZ-10-S-10 KN: אום מסתובב



מחזור ההעמסה

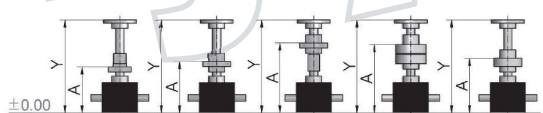


יחס העברה

Type	Version	Speed	Standard screw ²⁾	i	Stroke per drive shaft rotation ⁵⁾
GSZ-10-SN	Translating	Normal	Tr 20x4	4:1	1.00 mm
GSZ-10-SL	screw	Low speed		16:1	0.25 mm
GSZ-10-RN	Rotating	Normal	Tr 20x4	4:1	1.00 mm
GSZ-10-RL	screw	Low speed		16:1	0.25 mm

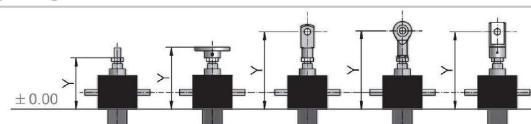
יחס העברה = i

Fitting height "Y" for 0-stroke, with Tr 20x4 screw



All dimensions in mm	Flange nut FM	Duplex nut DM	Duplex nut DM with SIFA	Self-aligning nut PM	Greasless nut FFDM
Bellocs FB	Y/A	Y/A	Y/A	Y/A	Y/A
without bellocs FB	179/112	180/125	219/164	218/159	188/133
2x Z-10-FB-340	-	314/193	350/229	352/227	322/201
2x Z-10-FB-700	-	354/213	390/249	392/247	362/221
2x Z-10-FB-1000	-	454/263	490/299	492/297	462/271

Detailed instructions for determining the length can be found in Section 8



All dimensions in mm	Y	Y	Y	Y	Y
Bellocs FB	Y	Y	Y	Y	Y
without bellocs FB	112	133	168	173	168
Z-10-FB-340	193	189	249	254	224
Z-10-FB-700	213	209	269	274	244
Z-10-FB-1000	263	259	319	324	294

*with bellocs fixing ring Z-10-FBR

נתונים טכניים

max. compressive/tensile force, static	- 10 kN (1 t)
max. compressive/tensile force, dynamic	- see duty cycle curves
Nominal speed	- 1500 rpm
max. drive shaft speed	- 3000 rpm (depending on the load and duty cycle)
Screw size standard	- Tr 20x4 ²⁾
Gear ratio	- 4:1 (N) / 16:1 (L)
Housing material	- aluminium, corrosion-resistant
Worm shaft	- steel, case-hardened, ground
Weight of screw jack body	- 2.1 kg
Weight of screw/m	- 2 kg
Gearbox lubrication	- synthetic fluid grease
Screw lubrication	- grease lubrication
Gearbox operating temperature	- max. 60°C, higher on request
Moment of inertia	- N: 0.641 kg cm ² / L: 0.271 kg cm ²
Input torque (at 1500 rpm)	- max. 13.5 Nm (N) / max. 7.5 Nm (L)
Drive-through torque	- max. 57 Nm

Drive torque M _a (Nm)	- F (kN) x 0.64 ³⁾ + M _L (N-normal)
Breakaway torque	- F (kN) x 0.20 ³⁾ + M _L (L-low speed)
Idling torque ⁴⁾ M _L (Nm)	- Drive torque M _a x 1.5
	- 0.26 (N-normal) / 0.16 (L-low speed)

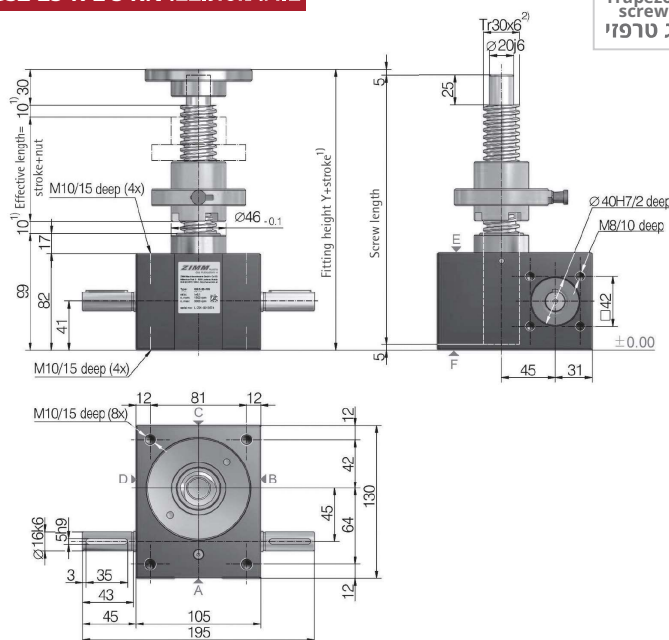
Between gearbox and nut or nut and end of thread, provide for a safety distance of (minimum) 10 mm!

See Section 7 for the checklist.

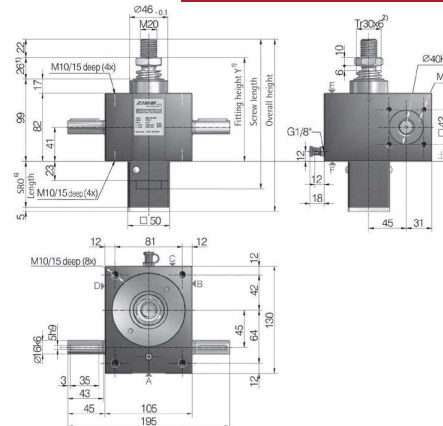
Important information

- 1) - extension if a bellows or spiral spring is fitted: see the table or Section 8
- 2) - Tr 20x4 is standard, also available: double pitch, stainless steel, left-handed, increased screw Tr 30x6 (only for the R version)
- 3) - factor includes efficiency, ratio and 30% safety
- 4) - at 20°C, can be higher when new
- 5) - for a 4 mm screw pitch

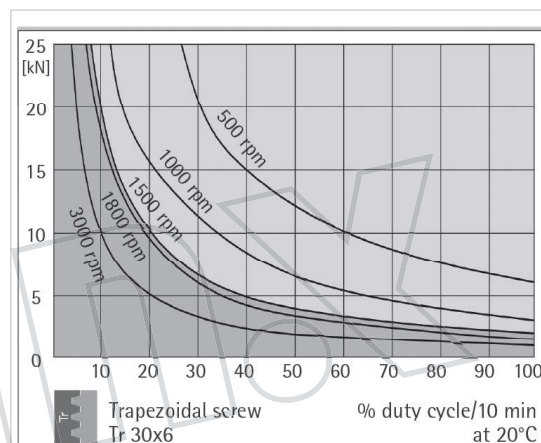
בורג מסתובב: GSZ-25-R-2 5 KN



אום מסתובב: GSZ-25-S-25 KN



מחזור ההעמסה



יחס העברה

Type 	Version	Speed	Standard screw ²⁾	i	Stroke per drive shaft rotation ³⁾
GSZ-25-SN	Translating screw	Normal	Tr 30x6	6:1	1.00 mm
GSZ-25-SL		Low speed		24:1	0.25 mm
GSZ-25-RN	Rotating screw	Normal	Tr 30x6	6:1	1.00 mm
GSZ-25-RL		Low speed		24:1	0.25 mm

$i = \text{יחס העברה}$

¹⁾Fitting height "Y" for 0-stroke, with Tr 30x6 screw

±0.00

All dimensions in mm	Flange nut FM	Duplex nut DM	Duplex nut DM with SIFA	Self-aligning nut PM	Greasless nut FDM
Bellows FB	Y/A	Y/A	Y/A	Y/A	Y/A
without bellows FB	195/123	199/136	244/181	244/177	208/145
2x Z-25-FB-300	-	314/196	353/235	359/237	325/207
2x Z-25-FB-700	-	374/226	413/265	419/267	385/237
2x Z-25-FB-1000	-	414/246	453/285	459/287	425/257

Detailed instructions for determining the length can be found in Section 8

¹⁾Fitting height "Y" for 0-stroke, with Tr 30x6 screw

Technical drawing showing five types of bellows end connections: Standard screw end*, Fixing flange BF, Forked end GK*, Rod end KGK*, and Pivot bearing end SLK. Each connection is shown with a bellows body and a dimension Y indicating the distance from the center of the bellows to the center of the connection point. A dimension of ± 0.00 is indicated for the first connection.

	Standard screw end*	Fixing flange BF	Forked end GK*	Rod end KGK*	Pivot bearing end SLK
Y	Y	Y	Y	Y	Y
without bellows FB	125	148	205	202	205
Z-25-FB-300	200	192	280	277	249
Z-25-FB-700	230	222	310	307	279
Z-25-FB-1000	250	242	330	327	299

*with bellows fixing ring Z-25-FBR

נתונים טכניים

max. compressive/tensile force, static	- 25 kN (2.5 t)
max. compressive/tensile force, dynamic	- see duty cycle curves
Nominal speed	- 1500 rpm
max. drive shaft speed	- 3000 rpm (depending on the load and duty cycle)
Screw size standard	- Tr 30x6 ²⁾
Gear ratio	- 6:1 (N) / 24:1 (L)
Housing material	- aluminium, corrosion-resistant
Worm shaft	- steel, case-hardened, ground
Weight of screw jack body	- 3.8 kg
Weight of screw/m	- 4.5 kg
Gearbox lubrication	- synthetic fluid grease
Screw lubrication	- grease lubrication
Gearbox operating temperature	- max. 60°C, higher on request
Moment of inertia	- N: 1.449 kg cm ² / L: 0.589 kg cm ²
Input torque (at 1500 rpm)	- max. 18 Nm (N) / max. 10 Nm (L)
Drive-through torque	- max. 108 Nm

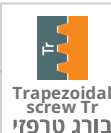
Drive torque M_0 (Nm)	- F (kN) $\times$ 0.63 ³⁾⁵⁾ (N-normal) - F (kN) $\times$ 0.20 ³⁾⁵⁾ (L-low speed)
Breakaway torque	- Drive torque $M_0 \times 1.5$
Idling torque ⁴⁾ M_L (Nm)	- 0.36 (N-normal) / 0.26 (L-low speed)

Between gearbox and nut or nut and end of thread, provide for a safety distance of (minimum) 10 mm!

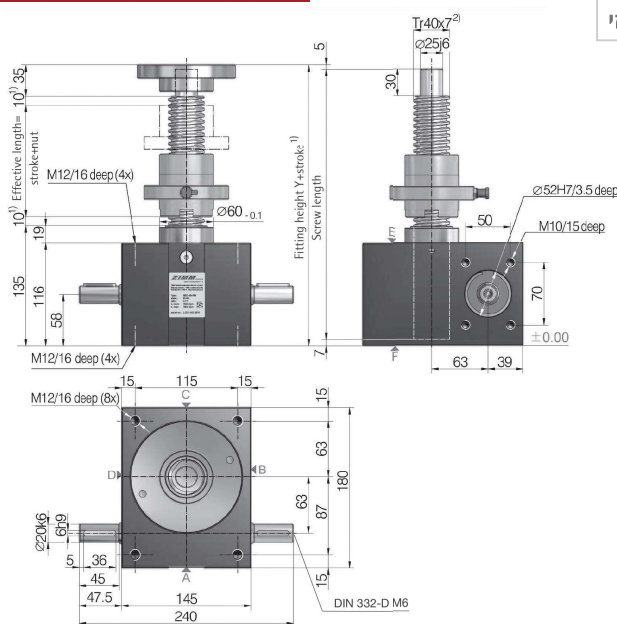
See Section 7 for the checklist.

Important information

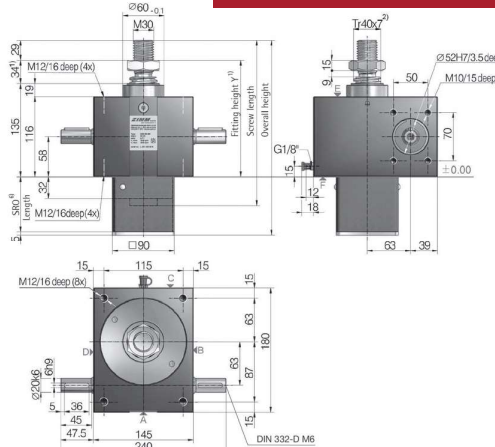
- 1) - extension if a bellows or spiral spring is fitted: see the table or Section 8
- 2) - Tr 30x6 is standard, also available: double-pitch, stainless steel, left-handed, increased screw Tr 40x7 (only for the R version)
- 3) - factor includes efficiency, ratio and 30% safety
- 4) - at 20°C, can be higher when new
- 5) - for a 6 mm screw pitch

Trapezoidal screw Tr
בורג טרפזי

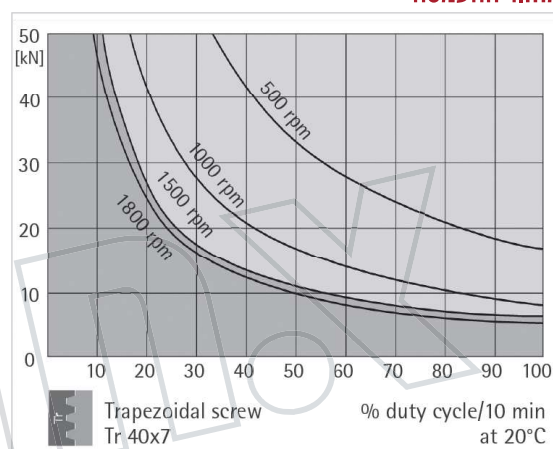
GSZ-50-R-50 KN: בורג מסתובב



GSZ-50-S-50 KN: אום מסתובב



מחזור ההעמסה

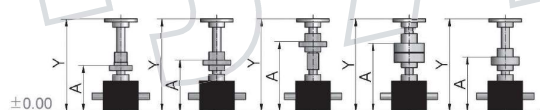


יחס העברה

Type	Version	Speed	Standard screw ²⁾	i	Stroke per drive shaft rotation ⁵⁾
GSZ-50-SN	Translating	Normal	Tr 40x7	7:1	1.00 מ"מ
GSZ-50-SL	screw	Low speed	Tr 40x7	28:1	0.25 mm
GSZ-50-RN	Rotating	Normal	Tr 40x7	7:1	1.00 מ"מ
GSZ-50-RL	screw	Low speed	Tr 40x7	28:1	0.25 mm

יחס העברה = i

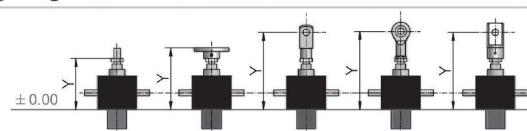
1) Fitting height "Y" for 0-stroke, with Tr 40x7 screw



All dimensions in mm	Flange nut FM	Duplex nut DM	Duplex nut DM with SIFA	Self-aligning nut PM	Greasless nut FFDM
Y/A	Y/A	Y/A	Y/A	Y/A	Y/A
without bellows FB	256/161	260/179	323/242	319/244	275/195
2x Z-50-FB-390	-	403/252	462/311	462/317	420/270
2x Z-50-FB-600	-	377/239	436/298	436/304	394/257
2x Z-50-FB-1000	-	493/297	552/356	552/362	510/315
2x Z-50-FB-1200	-	483/292	542/351	542/357	500/310
2x Z-50-FB-1500	-	593/347	652/406	652/412	610/365

Detailed instructions for determining the length can be found in Section 8

1) Fitting height "Y" for 0-stroke, with Tr 40x7 screw



All dimensions in mm	Standard screw end*	Fixing flange BF	Forked end GK*	Rod end KGK*	Pivot bearing end SLK
Y	Y	Y	Y	Y	Y
without bellows FB	169	199	289	279	261
Z-50-FB-390	264	248	384	374	310
Z-50-FB-600	251	235	371	361	297
Z-50-FB-1000	309	293	429	419	355
Z-50-FB-1200	304	288	424	414	350
Z-50-FB-1500	359	343	479	469	405

*with bellows fixing ring Z-50-FBR

נתונים טכניים

max. compressive/tensile force, static	- 50 kN (5 t)
max. compressive/tensile force, dynamic	- see duty cycle curves
Nominal speed	- 1500 rpm
max. drive shaft speed	- 1800 rpm (depending on the load and duty cycle)
Screw size standard	- Tr 40x7 ²⁾
Gear ratio	- 7:1 (N) / 28:1 (L)
Housing material	- GGG-50, corrosion-resistant
Worm shaft	- steel, case-hardened, ground
Weight of screw jack body	- 15 kg
Weight of screw/m	- 8 kg
Gearbox lubrication	- synthetic fluid grease
Screw lubrication	- grease lubrication
Gearbox operating temperature	- max. 60°C, higher on request
Moment of inertia	- N: 6.40 kg cm ² / L: 2.53 kg cm ²
Input torque (at 1500 rpm)	- max. 31.5 Nm (N) / max. 10.4 Nm (L)
Drive-through torque	- max. 260 Nm

Drive torque M _B (Nm)	- F (kN) x 0.68 ³⁾ + M _L (N-normal)
Breakaway torque	- F (kN) x 0.23 ³⁾ + M _L (L-low speed)
Idling torque ⁴⁾ M _L (Nm)	- Drive torque M _B x 1.5
	- 0.76 (N-normal) / 0.54 (L-low speed)

Between gearbox and nut or nut and end of thread, provide for a safety distance of (minimum) 10 mm!

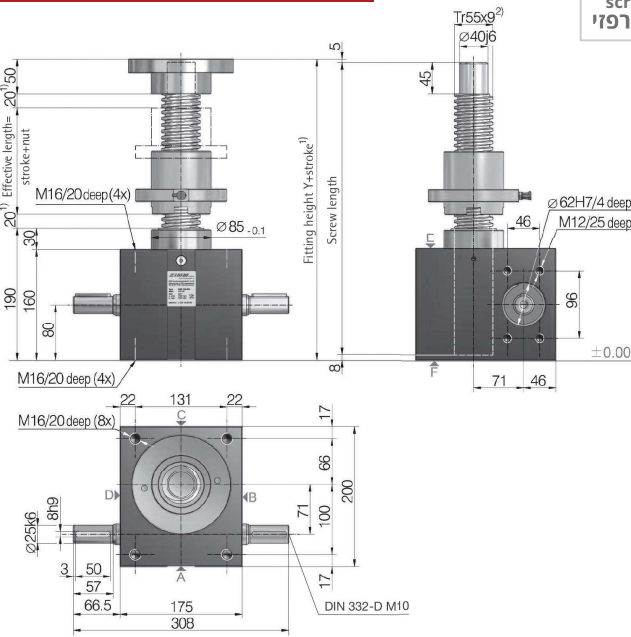
See Section 7 for the checklist.

Important information

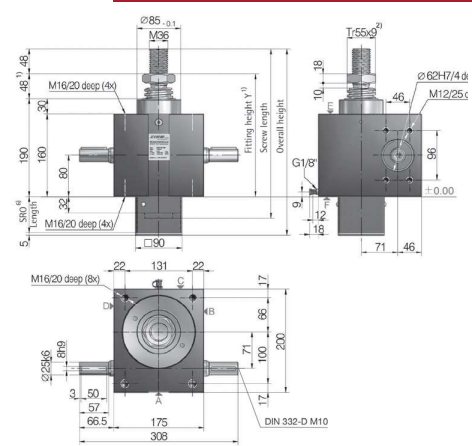
- 1) - extension if a bellows or spiral spring is fitted: see the table or Section 8
- 2) - Tr 40x7 is standard, also available: double-pitch, stainless steel, left-handed, increased screw Tr 55x9 (only for the R version)
- 3) - factor includes efficiency, ratio and 30% safety
- 4) - at 20°C, can be higher when new
- 5) - for a 7 mm screw pitch



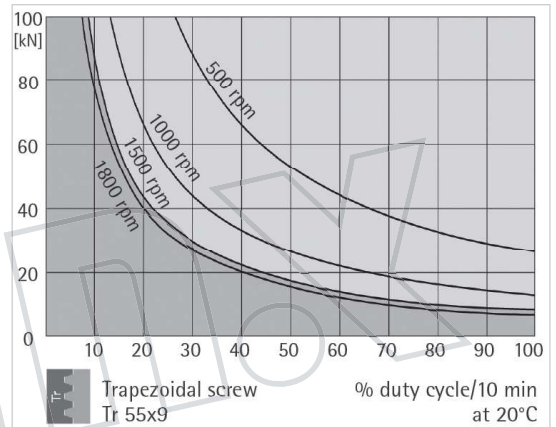
בורג מסתובב: GSZ-100-R 100 kN



אום מסתובב: GSZ-100-S 100 kN



מחזור ההעמסה



יחס העברה

Type	Version	Speed	Standard screw ²⁾	i	Stroke per drive shaft rotation ⁵⁾
GSZ-100-SN	Translating	Normal	Tr 55x9	9:1	1.00 mm
GSZ-100-SL	screw	Low speed	Tr 55x9	36:1	0.25 mm
GSZ-100-RN	Rotating	Normal	Tr 55x9	9:1	1.00 mm
GSZ-100-RL	screw	Low speed	Tr 55x9	36:1	0.25 mm

i = יחס העברה

¹⁾Fitting height "Y" for 0-stroke, with Tr 55x9 screw

All dimensions in mm	Duplex nut DM	Duplex nut DM with SIFA	Self-aligning nut PM
BelloWS FB	Y/A	Y/A	Y/A
without bellows FB	370/246	453/329	470/355
2x Z-100-FB-285	478/299	556/377	578/408
2x Z-100-FB-600	472/296	550/374	572/405
2x Z-100-FB-1000	588/354	666/432	688/463
2x Z-100-FB-1500	688/404	766/482	788/513

Detailed instructions for determining the length can be found in Section 8

¹⁾Fitting height "Y" for 0-stroke, with Tr 55x9 screw

All dimensions in mm	Standard screw end*	Fixing flange BF	Forked end GK*	Rod end KGK*	Pivot bearing end SLK
BelloWS FB	Y	Y	Y	Y	Y
without bellows FB	238	288	382	380	346
Z-100-FB-285	311	313	455	453	371
Z-100-FB-600	308	310	452	450	368
Z-100-FB-1000	366	368	510	508	426
Z-100-FB-1500	416	418	560	558	476

*with bellows fixing ring Z-100-FBR

נתונים טכניים

max. compressive/tensile force, static	- 100 kN (10 t)
max. compressive/tensile force, dynamic	- see duty cycle curves
Nominal speed	- 1500 rpm
max. drive shaft speed	- 1800 rpm (depending on the load and duty cycle)
Screw size standard	- Tr 55x9 ²⁾
Gear ratio	- 9:1 (N) / 36:1 (L)
Housing material	- GGG-50, corrosion-resistant
Worm shaft	- steel, case-hardened, ground
Weight of screw jack body	- 30 kg
Weight of screw/m	- 15.7 kg
Gearbox lubrication	- synthetic fluid grease
Screw lubrication	- grease lubrication
Gearbox operating temperature	- max. 60°C, higher on request
Moment of inertia	- N: 12.53 kg cm ² / L: 4.75 kg cm ²
Input torque (at 1500 rpm)	- max. 53.4 Nm (N) / max. 13.5 Nm (L)
Drive-through torque	- max. 540 Nm

Drive torque M _d (Nm)	- F (kN) x 0.72 ³⁾ + M _L (N-normal)
Breakaway torque	- F (kN) x 0.23 ³⁾ + M _L (L-low speed)
Idling torque ⁴⁾ M _L (Nm)	- Drive torque M _d x 1.5
	- 1.68 (N-normal) / 1.02 (L-low speed)

Between gearbox and nut or nut and end of thread, provide for a safety distance of (minimum) 20 mm!
See Section 7 for the checklist.

Important information

- extension if a bellows or spiral spring is fitted: see the table or Section 8
- Tr 55x9 is standard, also available: double-pitch, stainless steel, left-handed, increased screw Tr 60x9 (only for the R version)
- factor includes efficiency, ratio and 30% safety
- at 20°C, can be higher when new
- for a 9 mm screw pitch

מיסבים

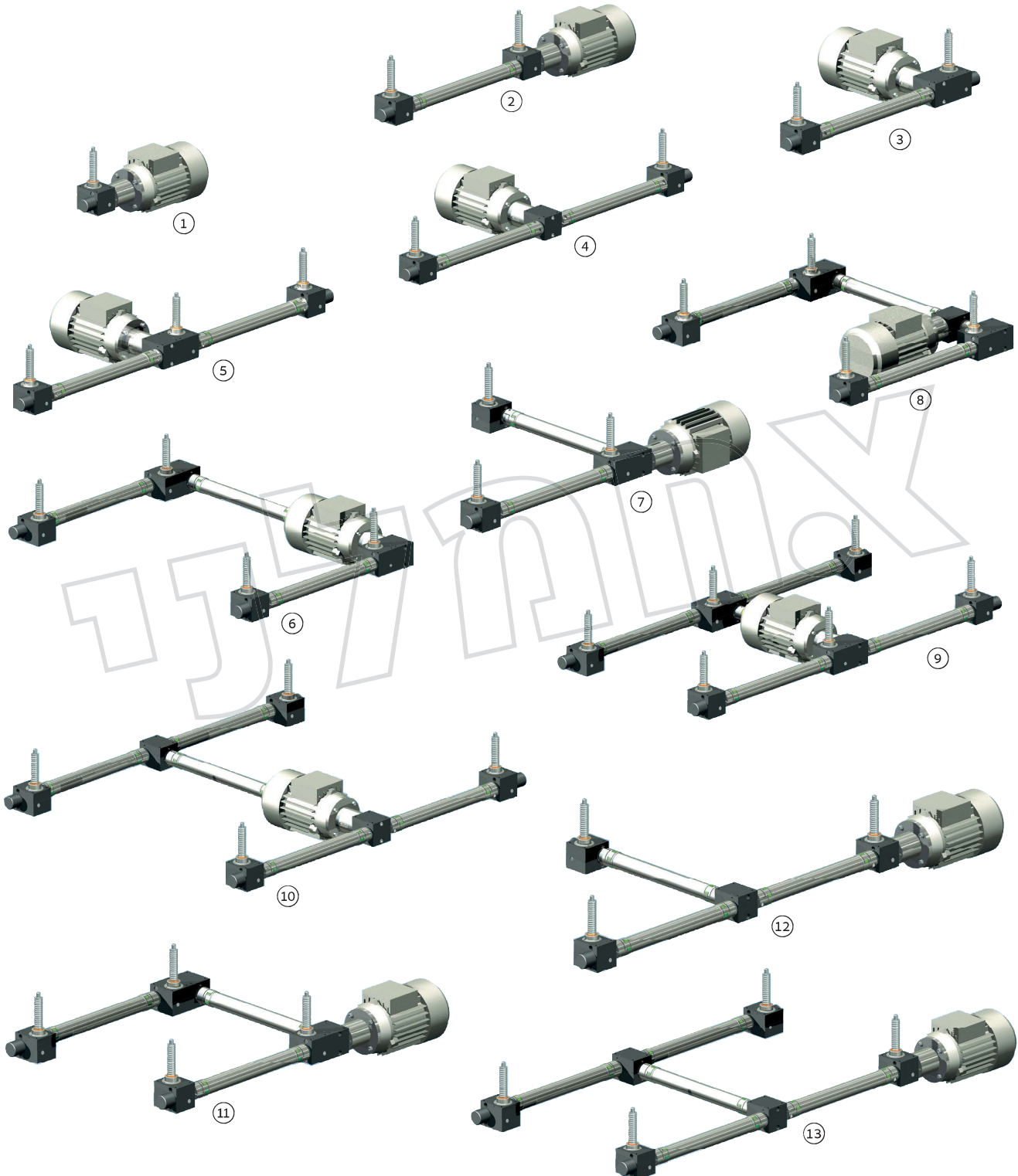
מערכות ליניאריות

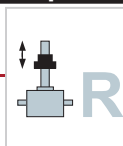
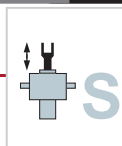
שינוע והרמה

מקשרים / קולנוגים

זיז

גלגלי זימון וחגורות



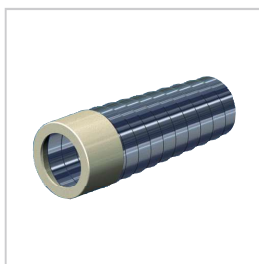


אביזרים עבור שתי הגירסאות



Bellows
FB

ראה מידע נוסף בעמוד הבא



Spiral spring
SF



Pivot mounts
LB



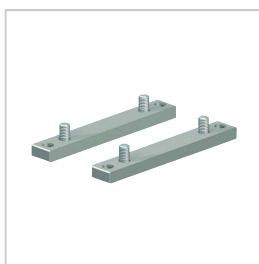
Pivot bearing plate
KAR



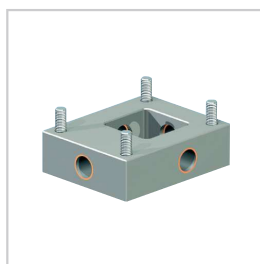
Handwheel
HR



Protective cap
SK



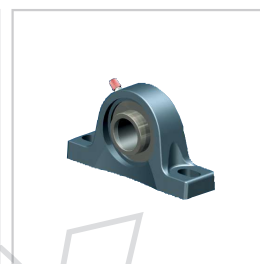
Fixing strips
BFL



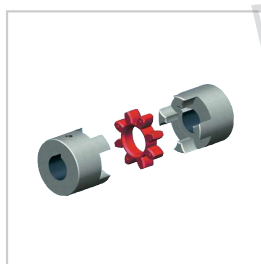
Pivot bearing plate
KAR



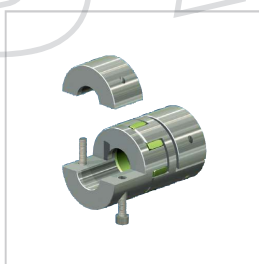
Connecting shaft
VWZ



Pedestal bearing
STL



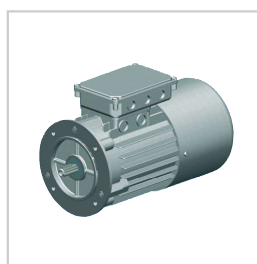
Standard coupling
KUZ



Clamp coupling
KUZ-KK



Motor flange
MF



Three-phase AC motor
AC



DC motor
DC



Rotary pulse encoder
DIG



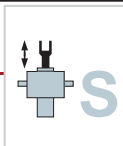
Spring pressure brake
FDB



Lubricants



Lubricator
Z-LUB



אביזרים עבור גירסת "S"

מיסבים

מערכות לינאריות

שינוע והרמה

מקשרים / קופלונגים

זיוד

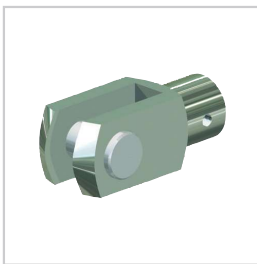
בלבלי זימון וחגורות



Trapezoidal screws
S-Tr



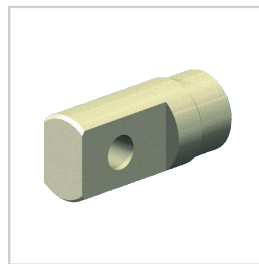
Fixing flange
BF



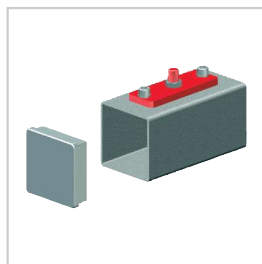
Forked end
GK



Rod end
KGK



Pivot bearing end
SLK



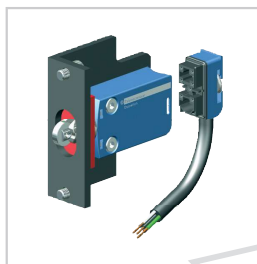
Protective tube
SRO



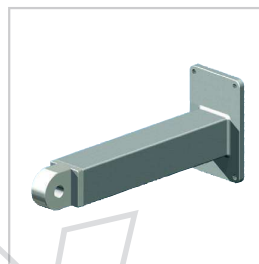
Rotation protection
VS



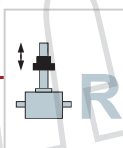
Escape protection
AS



Limit switch set
ES



Pivoting support tube
STRO



אביזרים עבור גירסת "R"



Flange nut
FM



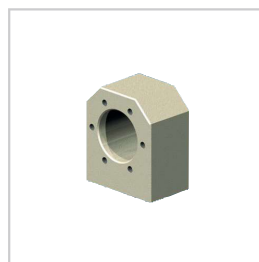
Duplex nut
DM



Safety nut
SIFA



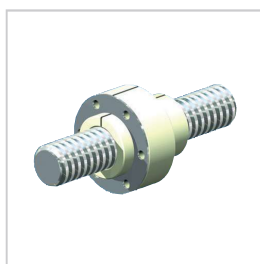
Cardan adapter
DMA for DM



Driving flange
TRMFL for FM



Self-aligning nut
PM



Greaseless nut
FFDM



Trapezoidal screw
R-Tr



Opposed bearing plate
GLP