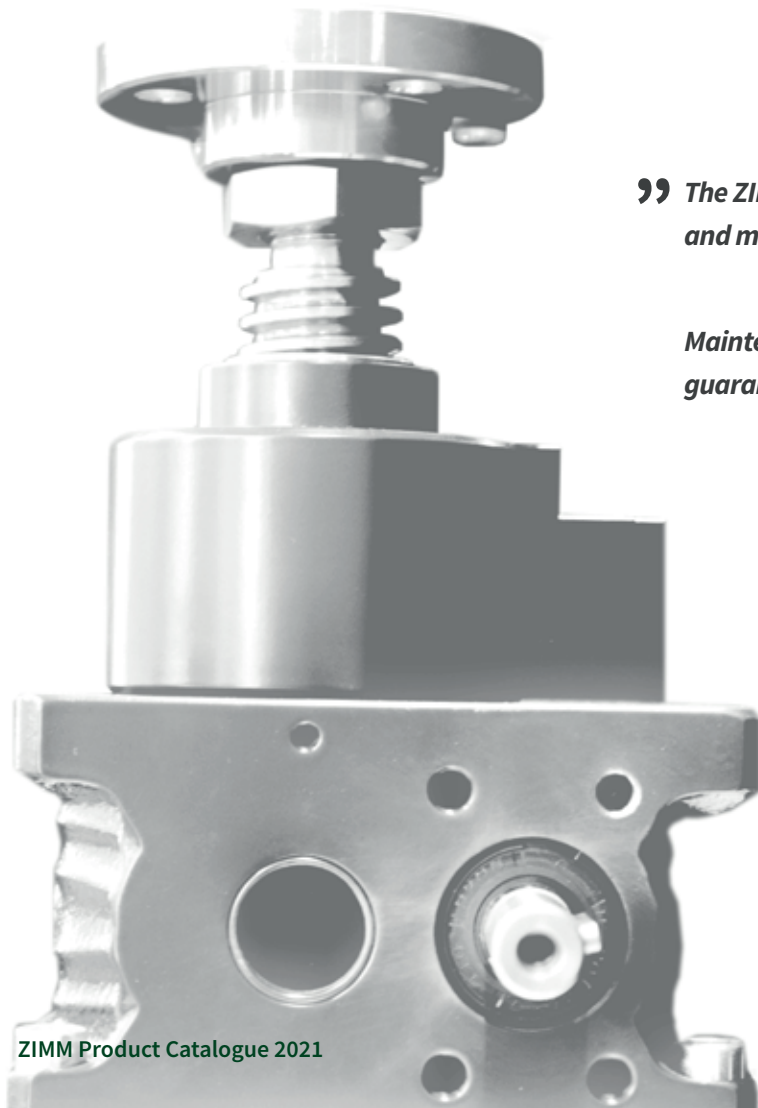


SECURITY AND INSPECTION

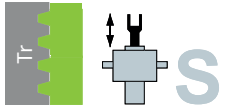
Avoid downtime & protect people



” *The ZIMM SIFA-S monitoring system saves you time and money in the long term.*

Maintenance or replacement is virtually guaranteed by monitoring wear.

Peter Gridling | Sales Manager



Safety nut
SIFA-S | translating screw

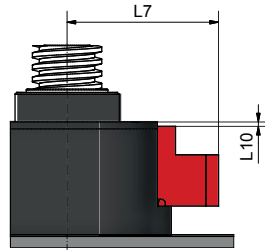
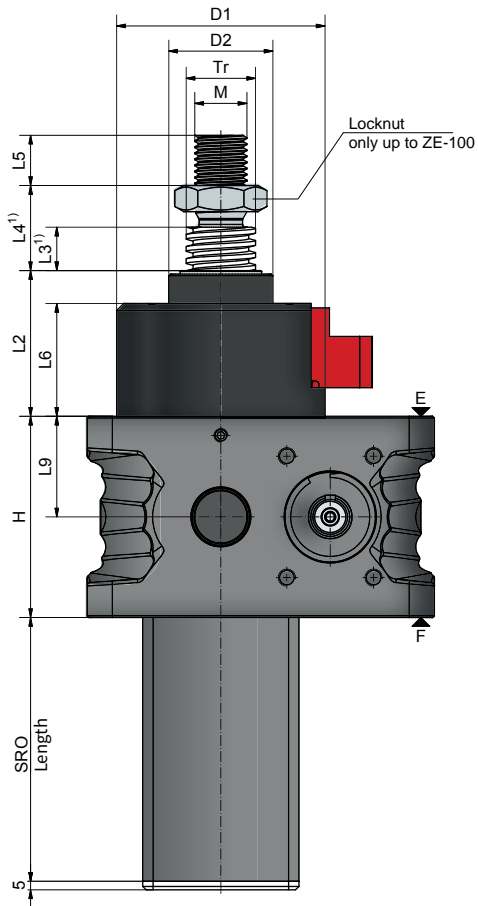
COMPRESSIVE AND TENSILE

The SIFA-S operates equally in both compressive & tensile directions of loading!

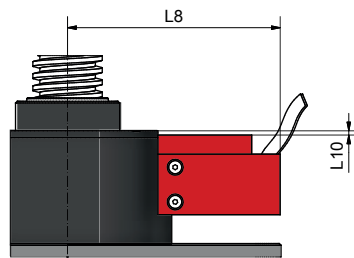


visual SIFA monitoring

electrical SIFA monitoring



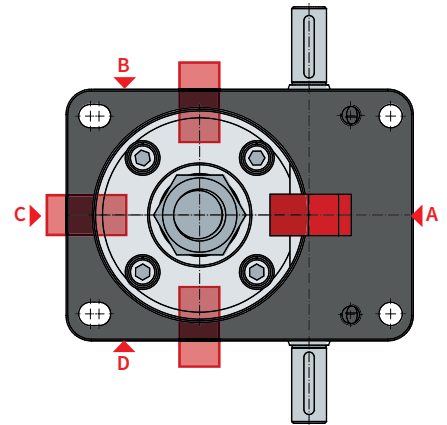
visual SIFA monitoring



electrical SIFA monitoring

Function:

The load is borne by the worm wheel via the screw. If the worm wheel screw thread wears through, the SIFA restrains the screw. The load remains supported.



Screw jacks	Stroke travel/rev.		Tr-Thread	H	D1	D2	L2	L3 ¹⁾	L4 ¹⁾	L5	L6	L7	L8	L9	L10	M
	SN	SL														
ZE-10 ⁴⁾	1	0,25	20x4	74	81	39	74	10	22	20	58	72	108	37	1	M14
ZE-25 ⁴⁾	1	0,25	30x6	82	92	46	76	10	26	22	59	79	114	41	1	M20
ZE-35	1	0,25	40x7	100	100	60	80	10	34	29	61	82	117	50	1	M30
ZE-50 ⁴⁾	1	0,25	40x7	116	120	60	84	10	34	29	65	88	123	58	1	M30
ZE-100 ⁴⁾	1	0,25	55x9	160	135	85	103	20	48	48	73	95	130	80	9	M36
ZE-150 ⁴⁾	1	0,25	60x9	185	161	90	113	20	20	48	81	107	141	92,5	6	M42x2
ZE-250	1,5	0,50	80x16	193	210	120	166 ²⁾	20	20	58	139 ²⁾	117	152	91	13	M56x2
ZE-350	1,5	0,50	100x16	230	276	145	179 ³⁾	20	20	78	155	139	174	115	30	M72x3

up to Z-1000 on request

1) Detailed calculation of the fitting dimensions (bellows, screw, protective tube...) can be conveniently determined with our online configurator: www.zimm.com

2) Screw Face F: L2 = 181, L6 = 148

3) Screw Face F: L2 = 207

4) SIFA values also valid for the GSZ series



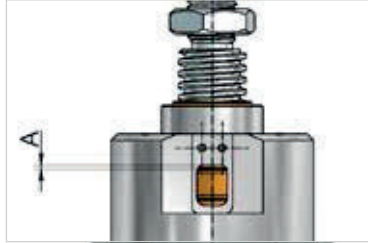
Safety nut

SIFA-S | monitoring

Standard

If the version used has no visual or electrical monitoring, the dimension A must be measured and documented when new, then regularly checked and documented frequently.

That way the user can detect the wear by measuring by hand from time to time.




Visual

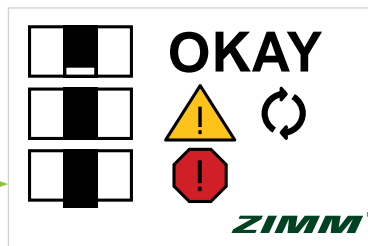
Monitoring

Wear should be checked and documented at regular intervals. This allows the fitting operation for replacement to be planned in good time so as to avoid system downtime..


OKAY 
Wear still <25% of P


CAUTION! 
max. permissible wear reached - [Replace the gearbox](#)

STOP! 
Wear >25% or thread already worn through
Stop operation immediately!



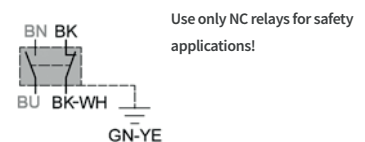
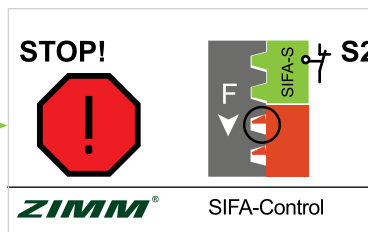
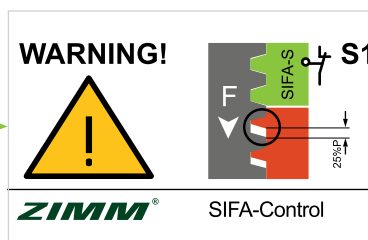
Electrical

WARNING! Switch S1 
At 25% wear the limit switch S1 trips. The customer must detect this signal. This enables substitution to be planned well in advance and therefore prevents any unnecessary downtime.

STOP! Switch S2 
If after the first signal operation of the jack continues, the nut will continue to wear until the thread is worn through.

When the thread is worn through, the safety nut takes the load. The limit switch S2 trips.

The customer must detect this signal and stop the system.



Ordering example:

ZE-35-SN-SIFA-OP-A

Version 
SN or SL

Monitoring 

NO: without any monitoring

OP: visual monitoring

EL: electrical monitoring (wear, thread stripping)

Position 

A (Standard), B, C or D

(can also subsequently be rotated steplessly through 360°)