



**Material and Technical Notes** Thread lock on request - please refer to Technical Data Appendix.

Free Cutting Steel Type:- Body: free cutting steel, blackened. Pin: free cutting steel, hardened, blackened. Spring: stainless steel. Stainless Steel Type:- Body: stainless steel 1.4305. Pin: stainless steel, 1.4305. Spring: stainless steel.

These spring plungers may be used for location, for applying pressure or lifting off.

Temperature range up to 250°C. Spring load \* = statistical average value.

Free Cutting Steel Type:- Yellow zinc coated pin denotes increased spring load. Stainless Steel Type:- Yellow body tip denotes increased spring load.

**Order No.**

Order No.	Material	Finish	$d_1$	$d_2$	$l$	$s$	Spring Load* $F_1$	Spring Load* $F_2$	g
							$N \propto$	$N \propto$	
3215.W104	Steel	Normal spring load	M 4	1,8	9	1,5	4,5	12,5	0,6
3215.W504	Stainless Steel	Normal spring load	M 4	1,8	9	1,5	4,5	12,5	0,6
3215.W105	Steel	Normal spring load	M 5	2,4	12	2,0	5,0	13,0	0,9
3215.W505	Stainless Steel	Normal spring load	M 5	2,4	12	2,0	5,0	13,0	0,9
3215.W106	Steel	Normal spring load	M 6	2,7	14	2,0	6,0	17,0	1,5
3215.W506	Stainless Steel	Normal spring load	M 6	2,7	14	2,0	6,0	17,0	1,5
3215.W108	Steel	Normal spring load	M 8	3,8	16	2,0	16,0	33,0	3,5
		Normal							

3215.W508	Stainless Steel	spring load	M 8	3,8	16 2,0	16,0	33,0	3,5
3215.W110	Steel	Normal spring load	M10	4,5	19 2,5	19,0	42,0	7,0
3215.W510	Stainless Steel	Normal spring load	M10	4,5	19 2,5	19,0	42,0	7,0
3215.W112	Steel	Normal spring load	M12	6,0	22 3,5	22,0	57,0	10,0
3215.W512	Stainless Steel	Normal spring load	M12	6,0	22 3,5	22,0	57,0	10,0
3215.W116	Steel	Normal spring load	M16	8,5	24 4,5	38,0	78,0	24,0
3215.W516	Stainless Steel	Normal spring load	M16	8,5	24 4,5	38,0	78,0	24,0
3215.W120	Steel	Normal spring load	M20	10,0	30 6,5	39,0	81,0	43,0
3215.W520	Stainless Steel	Normal spring load	M20	10,0	30 6,5	39,0	81,0	43,0
3215.W124	Steel	Normal spring load	M24	13,0	34 8,0	72,0	155,0	70,0
3215.W524	Stainless Steel	Normal spring load	M24	13,0	34 8,0	72,0	155,0	70,0
3215.W306	Steel	Increased spring load	M 6	2,7	14 2,0	11,0	25,0	1,5
3215.W706	Stainless Steel	Increased spring load	M 6	2,7	14 2,0	11,0	25,0	1,5
3215.W308	Steel	Increased spring load	M 8	3,8	16 2,0	23,0	59,0	3,5
3215.W708	Stainless Steel	Increased spring load	M 8	3,8	16 2,0	23,0	59,0	3,5
3215.W310	Steel	Increased spring load	M10	4,5	19 2,5	20,0	54,0	7,0
3215.W710	Stainless Steel	Increased spring load	M10	4,5	19 2,5	20,0	54,0	7,0
3215.W312	Steel	Increased spring load	M12	6,0	22 3,5	38,0	96,0	10,0
3215.W712	Stainless Steel	Increased spring	M12	6,0	22 3,5	38,0	96,0	10,0

<b>3215.W316</b>	<b>Steel</b>	<b>load Increased spring load</b>	<b>M16</b>	8,5	24	4,5	50,0	100,0	24,0
<b>3215.W320</b>	<b>Steel</b>	<b>load Increased spring load</b>	<b>M20</b>	10,0	30	6,5	52,0	133,0	43,0
<b>3215.W324</b>	<b>Steel</b>	<b>load Increased spring load</b>	<b>M24</b>	13,0	34	8,0	91,0	223,0	70,0
<b>3215.W716</b>	<b>Stainless Steel</b>	<b>load Increased spring load</b>	<b>M16</b>	8,5	24	4,5	50,0	100,0	24,0
<b>3215.W720</b>	<b>Stainless Steel</b>	<b>load Increased spring load</b>	<b>M20</b>	10,0	30	6,5	52,0	133,0	43,0
<b>3215.W724</b>	<b>Stainless Steel</b>	<b>load Increased spring load</b>	<b>M24</b>	13,0	34	8,0	91,0	223,0	70,0