

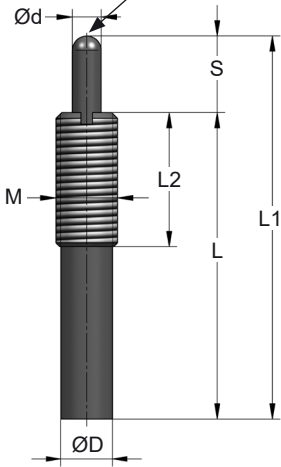
MBR

Spring Plungers



MBR

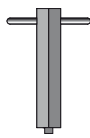
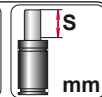
S45C
(STEEL)



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	ØD (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBR 16 020	M16x2	20	100	80	35	13.4	7.5	35	174	LP 16
MBR 16 030	M16x2	30	150	120	35	13.4	7.5	20	80	LP 16
MBR 16 040	M16x2	40	190	150	35	13.4	7.5	55	158	LP 16
MBR 16 050	M16x2	50	250	200	35	13.4	7.5	35	105	LP 16



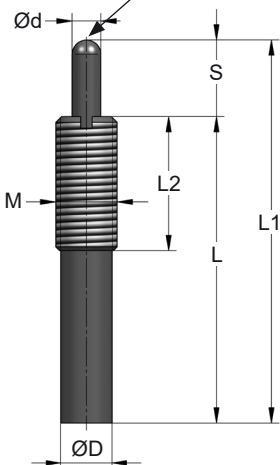
ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



LP 16

MBN

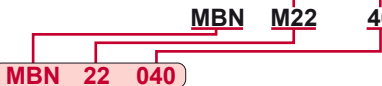
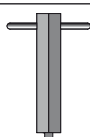
S45C
(STEEL)



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	ØD (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBN 16 010	M16	11	91	80	35	13.4	7.3	17	75	LPS 16
MBN 16 020	M16	21	141	120	35	13.4	7.3	21	80	LPS 16
MBN 16 030	M16	31	181	150	35	13.4	7.3	21	90	LPS 16
MBN 16 040	M16	41	241	200	35	13.4	7.3	16	80	LPS 16
MBN 22 020	M22	21	151	130	50	19	9	80	215	LPS 22
MBN 22 030	M22	31	199	168	50	19	9	70	210	LPS 22
MBN 22 040	M22	41	267	226	50	19	9	75	210	LPS 22



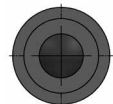
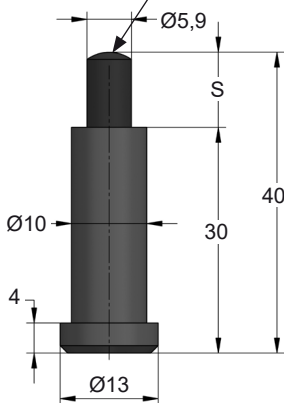
ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



LPS _ _

MBP

S45C
(STEEL)



ORDER	S (mm)	F ₀ (N)	F ₁ (N)
MBP 010	10	42	110



ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO

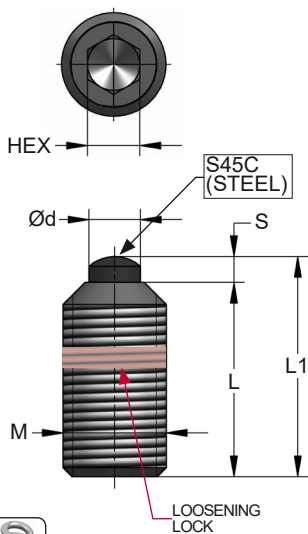


MBSD / MBSL

Spring Plungers



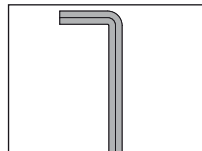
MBSD



ORDER	M	S (mm)	L1 (mm)	L (mm)	Ød (mm)	HEX (mm)	F ₀ (N)	F ₁ (N)	Allen Key
MBSD 5 001	M5	1.5	13.5	12	2.5	2.5	5	15	2.5
MBSD 6 001	M6	1.5	14.5	13	3	3	6	20	3
MBSD 8 002	M8	2	17	15	4	4	6	20	4
MBSD 10 002	M10	2.5	18.5	16	5	5	10	30	5
MBSD 12 003	M12	3.5	23.5	20	6	6	10	30	6
MBSD 16 004	M16	4.5	26.5	22	8	8	20	60	8

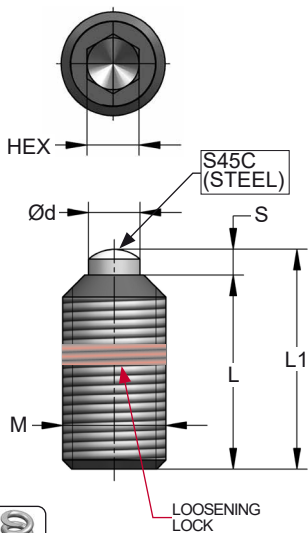


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



ALLEN _ _

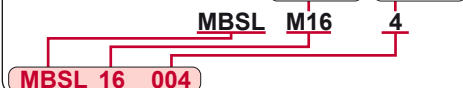
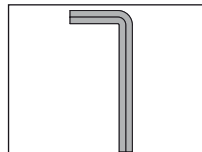
MBSL



ORDER	M	S (mm)	L1 (mm)	L (mm)	Ød (mm)	HEX (mm)	F ₀ (N)	F ₁ (N)	Allen Key
MBSL 5 001	M5	1.5	13.5	12	2.5	2.5	2	8	2.5
MBSL 6 001	M6	1.5	14.5	13	3	3	3	10	3
MBSL 8 002	M8	2	17	15	4	4	3	10	4
MBSL 10 002	M10	2.5	18.5	16	5	5	5	15	5
MBSL 12 003	M12	3.5	23.5	20	6	6	5	15	6
MBSL 16 004	M16	4.5	26.5	22	8	8	10	30	8



ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO

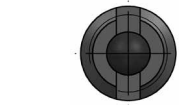
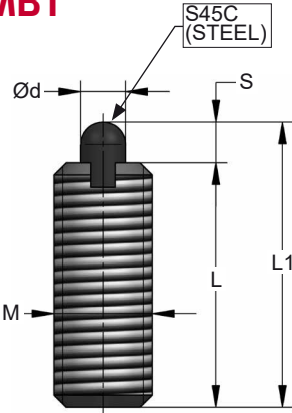


ALLEN _ _



MBT / MBTH
Spring Plungers

MBT

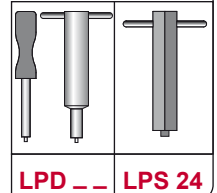


ORDER	M	S (mm)	L1 (mm)	L (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBT 3 001	M3	1	13	12	1	2	4	LPD 3
MBT 4 001	M4	1.5	16.5	15	1.5	4.5	16	LPD 4
MBT 5 002	M5	2.3	20.3	18	2.4	6	19	LPD 5
MBT 6 002	M6	2.5	22.5	20	2.7	6	19	LPD 6
MBT 8 003	M8	3	25	22	3.5	10	39	LPD 8
MBT 10 003	M10	3	25	22	4	10	39	LPD 10
MBT 12 004	M12	4	32	28	6	12	53	LPD 12
MBT 16 005	M16	5	37	32	7.5	45	100	LPD 16
MBT 20 007	M20	7	47	40	10	52	125	LPD 20
MBT 24 010	M24	10	62	52	12	70	170	LPS 24

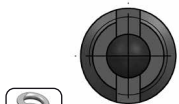
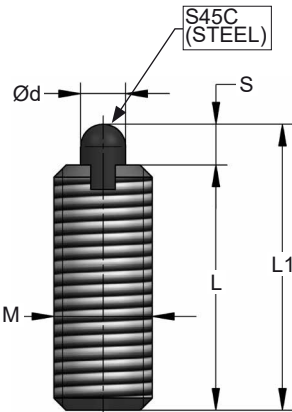
ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MBT M24 10

MBT 24 010



MBTH

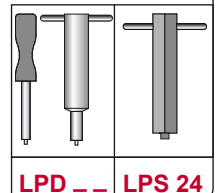


ORDER	M	S (mm)	L1 (mm)	L (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBTH 5 002	M5	2.3	20.3	18	2.4	11	40	LPD 5
MBTH 6 002	M6	2.5	22.5	20	2.7	15	43	LPD 6
MBTH 8 003	M8	3	25	22	3.5	20	75	LPD 8
MBTH 10 003	M10	3	25	22	4	20	75	LPD 10
MBTH 12 004	M12	4	32	28	6	45	120	LPD 12
MBTH 16 005	M16	5	37	32	7.5	64	160	LPD 16
MBTH 20 007	M20	7	47	40	10	75	195	LPD 20
MBTH 24 010	M24	10	62	52	12	75	245	LPS 24

ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

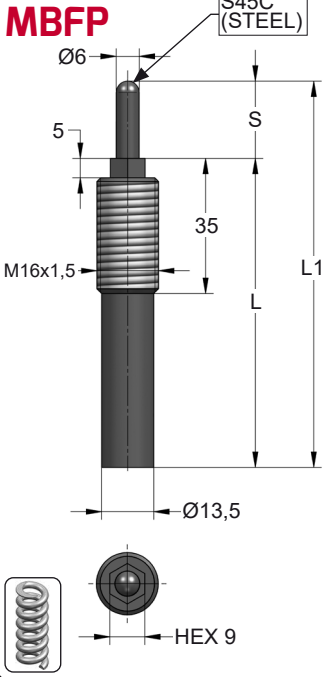
MBTH M24 10

MBTH 24 010



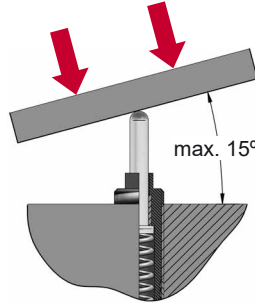
MBFP

Spring Plungers



S45C
(STEEL)

ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBFP 16 020	20	100	80	35	89	LPV 8-9
MBFP 16 030	30	120	90	2	27	LPV 8-9
MBFP 16 050	50	200	150	9	34	LPV 8-9



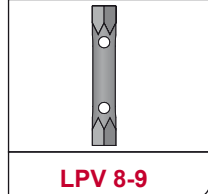
ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

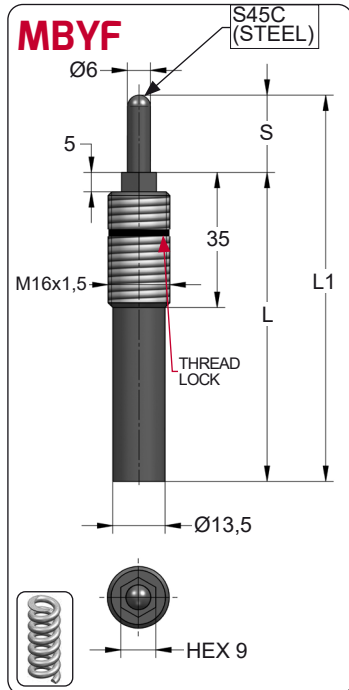
M

S
 mm

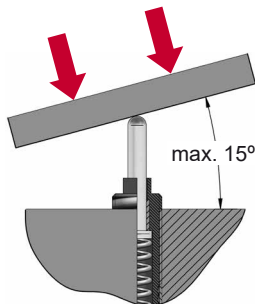
MBFP M16 50

MBFP 16 050





ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBYF 16 020	20	100	80	35	89	LPV 8-9
MBYF 16 030	30	150	120	16	73	LPV 8-9
MBYF 16 050	50	250	200	21	76	LPV 8-9

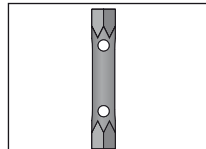


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO

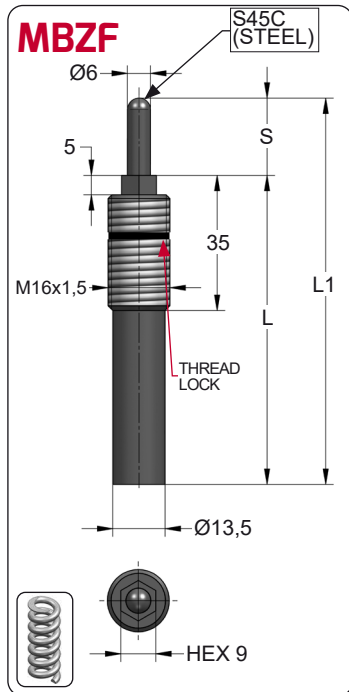


MBYF M16 50

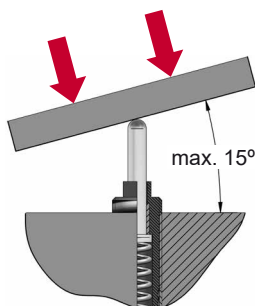
MBYF 16 050



LPV 8-9



ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBZF 16 020	20	100	80	4	36	LPV 8-9
MBZF 16 030	30	110	80	3.5	43	LPV 8-9
MBZF 16 050	50	200	150	11	40	LPV 8-9

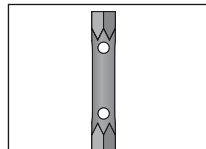


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



MBZF M16 50

MBZF 16 050



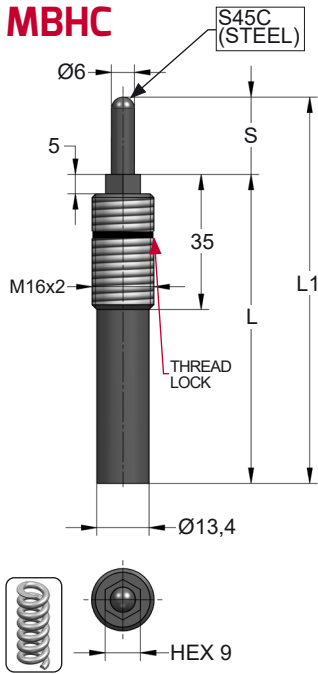
LPV 8-9

MBHC / MBHF

Spring Plungers



MBHC



ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBHC 16 010	10	70	60	4	13.3	LPV 8-9
MBHC 16 015	15	75	60	10	40	LPV 8-9
MBHC 16 020	20	100	80	7	34.5	LPV 8-9
MBHC 16 030	30	110	80	6.5	45.5	LPV 8-9
MBHC 16 030/1	30	150	120	18	40	LPV 8-9
MBHC 16 040	40	190	150	13.2	37.2	LPV 8-9
MBHC 16 050	50	200	150	13.2	43.2	LPV 8-9
MBHC 16 060	60	210	150	13.2	49.2	LPV 8-9
MBHC 16 070	70	270	200	9.7	40.5	LPV 8-9
MBHC 16 080	80	280	200	9.7	44.8	LPV 8-9

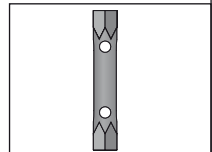


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



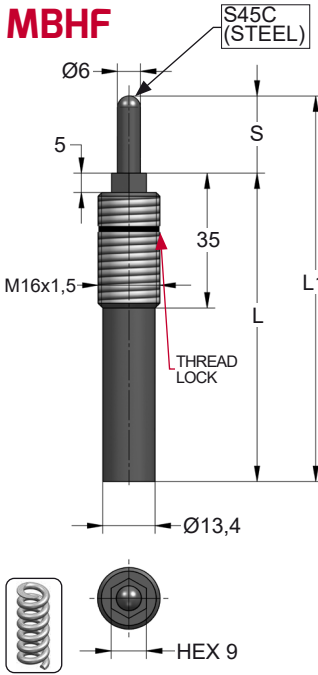
MBHC M16 80

MBHC 16 080



LPV 8-9

MBHF



ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBHF 16 010	10	70	60	4	13.3	LPV 8-9
MBHF 16 015	15	75	60	10	40	LPV 8-9
MBHF 16 020	20	100	80	7	34.5	LPV 8-9
MBHF 16 030	30	110	80	6.5	45.5	LPV 8-9
MBHF 16 030/1	30	150	120	18	40	LPV 8-9
MBHF 16 040	40	190	150	13.2	37.2	LPV 8-9
MBHF 16 050	50	200	150	13.2	43.2	LPV 8-9
MBHF 16 060	60	210	150	13.2	49.2	LPV 8-9
MBHF 16 070	70	270	200	9.7	40.5	LPV 8-9
MBHF 16 080	80	280	200	9.7	44.8	LPV 8-9

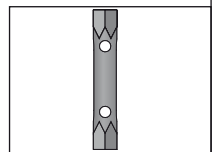


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO

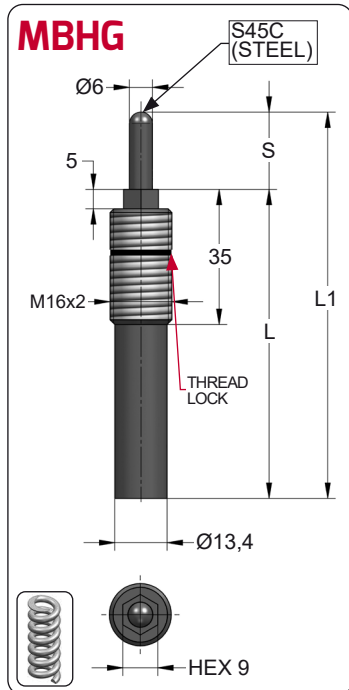


MBHF M16 80

MBHF 16 080



LPV 8-9

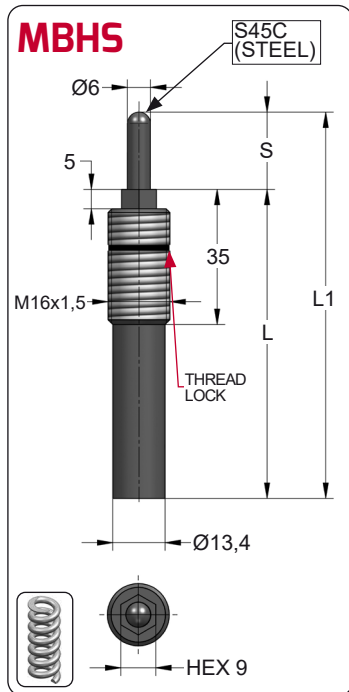
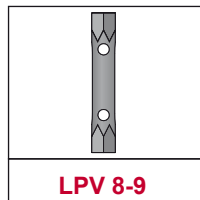


ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBHG 16 010	10	70	60	13	45.5	LPV 8-9
MBHG 16 015	15	75	60	15	56	LPV 8-9
MBHG 16 020	20	100	80	34.5	172.5	LPV 8-9
MBHG 16 030	30	150	120	20	80	LPV 8-9
MBHG 16 030/1	30	180	150	56.1	132.2	LPV 8-9
MBHG 16 040	40	190	150	56.1	158.1	LPV 8-9
MBHG 16 050	50	250	200	19.3	100	LPV 8-9
MBHG 16 060	60	260	200	19.3	116	LPV 8-9
MBHG 16 070	70	270	200	19.3	132	LPV 8-9
MBHG 16 080	80	280	200	25	100	LPV 8-9

ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MBHG M16 80

MBHG 16 080

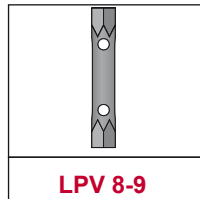


ORDER	S (mm)	L1 (mm)	L (mm)	F ₀ (N)	F ₁ (N)	Key
MBHS 16 010	10	70	60	13	45.5	LPV 8-9
MBHS 16 015	15	75	60	15	56	LPV 8-9
MBHS 16 020	20	100	80	34.5	172.5	LPV 8-9
MBHS 16 030	30	150	120	20	80	LPV 8-9
MBHS 16 030/1	30	180	150	56.1	132.2	LPV 8-9
MBHS 16 040	40	190	150	56.1	158.1	LPV 8-9
MBHS 16 050	50	250	200	19.3	100	LPV 8-9
MBHS 16 060	60	260	200	19.3	116	LPV 8-9
MBHS 16 070	70	270	200	19.3	132	LPV 8-9
MBHS 16 080	80	280	200	25	100	LPV 8-9

ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MBHS M16 80

MBHS 16 080

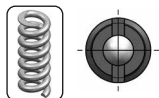
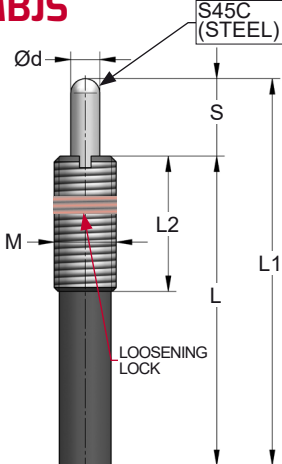


MBJS / MBJX

Spring Plungers



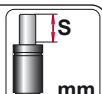
MBJS



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBJS 3 001	M3	1.5	11.5	10	10	1.1	0.05	0.32	---
MBJS 3 003	M3	3	18	15	15	1.1	0.09	0.32	---
MBJS 4 002	M4	2	17	15	15	1.6	0.23	0.65	---
MBJS 4 004	M4	4	28	24	24	1.6	0.24	0.65	---
MBJS 5 003	M5	3	23	20	20	2	0.74	2.95	LPJ 1
MBJS 5 005	M5	5	32	27	27	2	0.72	2.95	LPJ 1
MBJS 6 003	M6	3	28	25	25	2.5	0.85	3.2	LPJ 1
MBJS 6 005	M6	5	35	30	30	2.5	0.85	3.2	LPJ 1
MBJS 8 003	M8	3	28	25	25	3.1	0.9	3.3	LPJ 2
MBJS 8 005	M8	5	32	27	27	3.1	0.9	3.3	LPJ 2
MBJS 10 005	M10	5	35	30	30	3.8	1.9	4.7	LPJ 2
MBJS 10 010	M10	10	53	43	30	3.8	1.7	4.7	LPJ 2
MBJS 12 005	M12	5	35	30	30	5.5	1.5	4.7	LPJ 3
MBJS 12 010	M12	10	53	43	35	5.5	1.3	5.9	LPJ 3
MBJS 12 015	M12	15	66	51	35	5.5	1.6	5.9	LPJ 3
MBJS 16 010	M16	10	70	60	35	8	1.7	12.8	LPJ 4
MBJS 16 015	M16	15	75	60	35	8	1.7	12.8	LPJ 4
MBJS 16 020	M16	20	105	85	35	8	1.7	12.8	LPJ 4

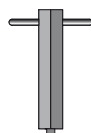


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



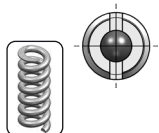
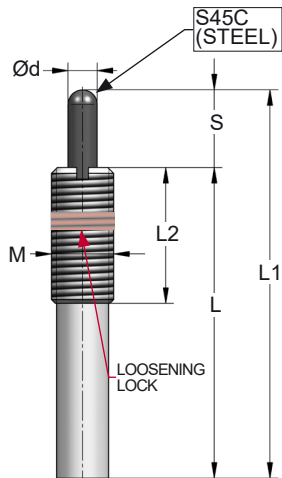
MBJS M16 20

MBJS 16 020



LPJ _ _

MBJX



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBJX 3 001	M3	1.5	16.5	15	15	1.1	2	5	---
MBJX 3 003	M3	3	23	20	20	1.1	2	5	---
MBJX 4 002	M4	2	26	24	24	1.6	5	13	---
MBJX 4 004	M4	4	28	24	24	1.6	5	13	---
MBJX 5 003	M5	3	30	27	27	2	9	25	LPJ 1
MBJX 5 005	M5	5	44	39	39	2	9	25	LPJ 1
MBJX 6 003	M6	3	33	30	30	2.5	14	39	LPJ 1
MBJX 6 005	M6	5	41	36	36	2.5	14	39	LPJ 1
MBJX 8 003	M8	3	30	27	27	3.1	15	41	LPJ 2
MBJX 8 005	M8	5	40	35	30	3.1	15	41	LPJ 2
MBJX 10 005	M10	5	40	35	30	3.8	16	63	LPJ 2
MBJX 10 010	M10	10	63	53	30	3.8	13	63	LPJ 2
MBJX 12 005	M12	5	48	43	35	5.5	37	98	LPJ 3
MBJX 12 010	M12	10	68	58	35	5.5	15	98	LPJ 3
MBJX 12 015	M12	15	93	78	35	5.5	15	98	LPJ 3
MBJX 16 010	M16	10	70	60	35	8	24	147	LPJ 4
MBJX 16 015	M16	15	85	70	35	8	22	147	LPJ 4
MBJX 16 020	M16	20	110	90	35	8	13	147	LPJ 4
MBJX 20 015	M20	15	95	80	45	10	13	250	LPJ 5
MBJX 24 015	M24	15	99	84	45	10	25	314	LPJ 5

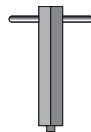


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



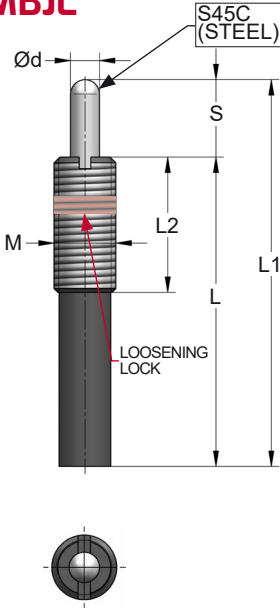
MBJX M24 15

MBJX 24 015

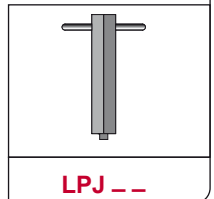
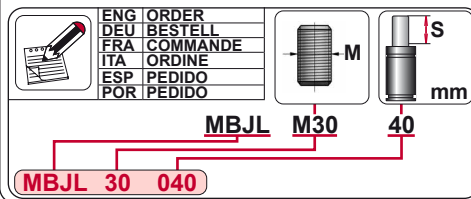


LPJ _ _

MBJL



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBJL 3 001	M3	1.5	11.5	10	10	1.1	0.5	1	---
MBJL 3 003	M3	3	18	15	15	1.1	0.3	1	---
MBJL 4 002	M4	2	17	15	15	1.6	1	2	---
MBJL 4 004	M4	4	28	24	24	1.6	0.6	2	---
MBJL 5 003	M5	3	23	20	20	2	2	10	LPJ 1
MBJL 5 005	M5	5	32	27	27	2	2	10	LPJ 1
MBJL 6 003	M6	3	28	25	25	2.5	6	10	LPJ 1
MBJL 6 005	M6	5	35	30	30	2.5	2	10	LPJ 1
MBJL 6 010	M6	10	49	39	30	2.5	1.4	10	LPJ 1
MBJL 8 003	M8	3	28	25	25	3.1	6	10	LPJ 2
MBJL 8 005	M8	5	32	27	27	3.1	3	10	LPJ 2
MBJL 8 010	M8	10	53	43	30	3.1	3	10	LPJ 2
MBJL 10 005	M10	5	35	30	30	3.8	6	15	LPJ 2
MBJL 10 010	M10	10	53	43	30	3.8	3	15	LPJ 2
MBJL 10 015	M10	15	73	58	30	3.8	3	15	LPJ 2
MBJL 12 005	M12	5	35	30	30	5.5	6	15	LPJ 3
MBJL 12 010	M12	10	53	43	35	5.5	3	20	LPJ 3
MBJL 12 015	M12	15	66	51	35	5.5	3	20	LPJ 3
MBJL 12 020	M12	20	98	78	35	5.5	3.5	20	LPJ 3
MBJL 16 010	M16	10	70	60	35	8	6	40	LPJ 4
MBJL 16 015	M16	15	75	60	35	8	4	40	LPJ 4
MBJL 16 020	M16	20	105	85	35	8	5	40	LPJ 4
MBJL 16 030	M16	30	155	125	35	8	3	40	LPJ 4
MBJL 16 040	M16	40	165	125	35	8	5	40	LPJ 4
MBJL 16 050	M16	50	205	155	35	8	20	50	LPJ 4
MBJL 16 060	M16	60	219	159	35	8	3	50	LPJ 4
MBJL 16 070	M16	70	255	185	35	8	3.5	50	LPJ 4
MBJL 16 080	M16	80	265	185	35	8	20	50	LPJ 4
MBJL 20 015	M20	15	75	60	45	10	13	80	LPJ 5
MBJL 20 020	M20	20	92	72	45	10	12	80	LPJ 5
MBJL 20 030	M20	30	126	96	45	10	12	80	LPJ 5
MBJL 20 040	M20	40	160	120	45	10	12	80	LPJ 5
MBJL 24 007	M24	7	67	60	45	10	20	98	LPJ 5
MBJL 24 015	M24	15	75	60	45	10	20	98	LPJ 5
MBJL 24 020	M24	20	95	75	45	10	18	98	LPJ 5
MBJL 24 030	M24	30	130	100	45	10	18	98	LPJ 5
MBJL 24 040	M24	40	164	124	45	10	18	98	LPJ 5
MBJL 30 015	M30	15	81	66	45	14	28	118	LPJ 6
MBJL 30 020	M30	20	98	78	45	14	28	118	LPJ 6
MBJL 30 030	M30	30	130	100	45	14	28	118	LPJ 6
MBJL 30 040	M30	40	163	123	45	14	28	118	LPJ 6

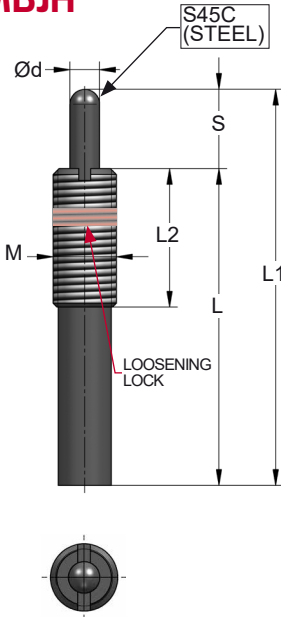


MBJH

Spring Plungers



MBJH

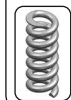
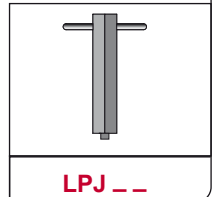


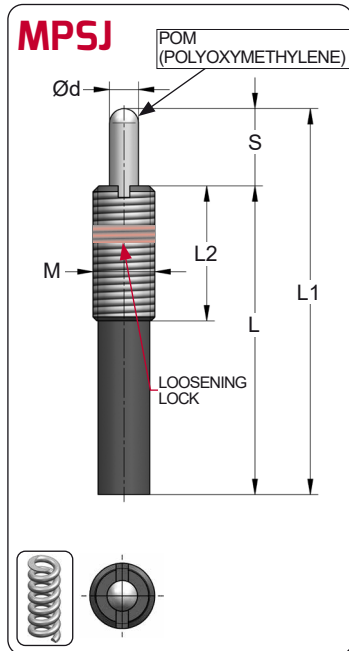
ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBJH 3 001	M3	1.5	11.5	10	10	1.1	0.8	3	---
MBJH 3 003	M3	3	18	15	15	1.1	0.8	3	---
MBJH 4 002	M4	2	17	15	15	1.6	3	9	---
MBJH 4 004	M4	4	28	24	24	1.6	2	9	---
MBJH 5 003	M5	3	23	20	20	2	5	20	LPJ 1
MBJH 5 005	M5	5	32	27	27	2	3	20	LPJ 1
MBJH 6 003	M6	3	28	25	25	2.5	8	30	LPJ 1
MBJH 6 005	M6	5	35	30	30	2.5	5	30	LPJ 1
MBJH 6 010	M6	10	49	39	30	2.5	5	28	LPJ 1
MBJH 8 003	M8	3	28	25	25	3.1	15	30	LPJ 2
MBJH 8 005	M8	5	32	27	27	3.1	8	30	LPJ 2
MBJH 8 010	M8	10	53	43	30	3.1	7	30	LPJ 2
MBJH 10 005	M10	5	35	30	30	3.8	9	50	LPJ 2
MBJH 10 010	M10	10	53	43	30	3.8	8	50	LPJ 2
MBJH 10 015	M10	15	73	58	30	3.8	6	50	LPJ 2
MBJH 12 005	M12	5	35	30	30	5.5	19	50	LPJ 3
MBJH 12 010	M12	10	53	43	35	5.5	8	50	LPJ 3
MBJH 12 015	M12	15	66	51	35	5.5	5	50	LPJ 3
MBJH 12 020	M12	20	98	78	35	5.5	7	50	LPJ 3
MBJH 16 010	M16	10	70	60	35	8	13	80	LPJ 4
MBJH 16 015	M16	15	75	60	35	8	13	80	LPJ 4
MBJH 16 020	M16	20	105	85	35	8	10	80	LPJ 4
MBJH 16 030	M16	30	155	125	35	8	7	80	LPJ 4
MBJH 16 040	M16	40	165	125	35	8	7	80	LPJ 4
MBJH 16 050	M16	50	205	155	35	8	30	80	LPJ 4
MBJH 16 060	M16	60	219	159	35	8	4	80	LPJ 4
MBJH 16 070	M16	70	255	185	35	8	5,6	80	LPJ 4
MBJH 16 080	M16	80	265	185	35	8	30	95	LPJ 4
MBJH 20 015	M20	15	75	60	45	10	25	150	LPJ 5
MBJH 20 020	M20	20	92	72	45	10	23	150	LPJ 5
MBJH 20 030	M20	30	126	96	45	10	23	150	LPJ 5
MBJH 20 040	M20	40	160	120	45	10	23	150	LPJ 5
MBJH 24 007	M24	7	67	60	45	10	44	196	LPJ 5
MBJH 24 015	M24	15	75	60	45	10	47	216	LPJ 5
MBJH 24 020	M24	20	95	75	45	10	44	216	LPJ 5
MBJH 24 030	M24	30	130	100	45	10	44	216	LPJ 5
MBJH 24 040	M24	40	164	124	45	10	44	216	LPJ 5
MBJH 30 015	M30	15	81	66	45	14	44	275	LPJ 6
MBJH 30 020	M30	20	98	78	45	14	53	275	LPJ 6
MBJH 30 030	M30	30	130	100	45	14	45	275	LPJ 6
MBJH 30 040	M30	40	163	123	45	14	47	275	LPJ 6

ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO

MBJH M30 40

MBJH 30 040





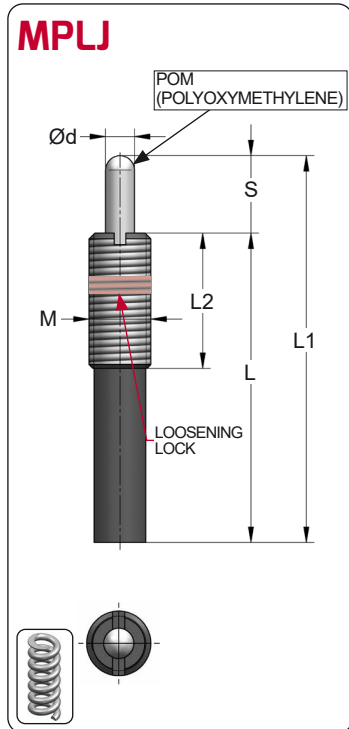
ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPSJ 3 001	M3	1.5	11.5	10	10	1.1	0.05	0.32	---
MPSJ 3 003	M3	3	18	15	15	1.1	0.09	0.32	---
MPSJ 4 002	M4	2	17	15	15	1.6	0.23	0.65	---
MPSJ 4 004	M4	4	28	24	24	1.6	0.24	0.65	---
MPSJ 5 003	M5	3	23	20	20	2	0.74	2.95	LPJ 1
MPSJ 5 005	M5	5	32	27	27	2	0.72	2.95	LPJ 1
MPSJ 6 003	M6	3	28	25	25	2.5	0.85	3.2	LPJ 1
MPSJ 6 005	M6	5	35	30	30	2.5	0.85	3.2	LPJ 1
MPSJ 8 003	M8	3	28	25	25	3.1	0.9	3.3	LPJ 2
MPSJ 8 005	M8	5	32	27	27	3.1	0.9	3.3	LPJ 2
MPSJ 10 005	M10	5	35	30	30	3.8	1.9	4.7	LPJ 2
MPSJ 10 010	M10	10	53	43	30	3.8	1.7	4.7	LPJ 2
MPSJ 12 005	M12	5	35	30	30	5.5	1.5	4.7	LPJ 3
MPSJ 12 010	M12	10	53	43	35	5.5	1.3	5.9	LPJ 3
MPSJ 12 015	M12	15	66	51	35	5.5	1.6	5.9	LPJ 3
MPSJ 16 010	M16	10	70	60	35	8	1.7	12.8	LPJ 4
MPSJ 16 015	M16	15	75	60	35	8	1.7	12.8	LPJ 4
MPSJ 16 020	M16	20	105	85	35	8	1.7	12.8	LPJ 4

ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MPSJ M16 20

MPSJ 16 020

LPJ --



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPLJ 3 001	M3	1.5	11.5	10	10	1.1	0.5	1	---
MPLJ 3 003	M3	3	18	15	15	1.1	0.3	1	---
MPLJ 4 002	M4	2	17	15	15	1.6	1	2	---
MPLJ 4 004	M4	4	28	24	24	1.6	0.6	2	---
MPLJ 5 003	M5	3	23	20	20	2	2	10	LPJ 1
MPLJ 5 005	M5	5	32	27	27	2	2	10	LPJ 1
MPLJ 6 003	M6	3	28	25	25	2.5	6	10	LPJ 1
MPLJ 6 005	M6	5	35	30	30	2.5	2	10	LPJ 1
MPLJ 8 003	M8	3	28	25	25	3.1	6	10	LPJ 2
MPLJ 8 005	M8	5	32	27	27	3.1	3	10	LPJ 2
MPLJ 10 005	M10	5	35	30	30	3.8	6	15	LPJ 2
MPLJ 10 010	M10	10	53	43	30	3.8	3	15	LPJ 2
MPLJ 12 005	M12	5	35	30	30	5.5	6	15	LPJ 3
MPLJ 12 010	M12	10	53	43	35	5.5	3	20	LPJ 3
MPLJ 12 015	M12	15	66	51	35	5.5	3	20	LPJ 3
MPLJ 16 010	M16	10	70	60	35	8	6	40	LPJ 4
MPLJ 16 015	M16	15	75	60	35	8	4	40	LPJ 4
MPLJ 16 020	M16	20	105	85	35	8	5	40	LPJ 4
MPLJ 16 030	M16	30	155	125	35	8	3	40	LPJ 4
MPLJ 20 015	M20	15	75	60	45	10	13	80	LPJ 5
MPLJ 24 015	M24	15	75	60	45	10	20	98	LPJ 5

ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MPLJ M24 15

MPLJ 24 015

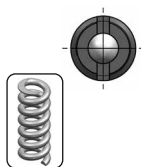
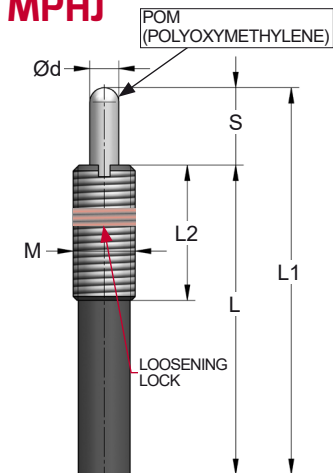
LPJ --

MPHJ / MPXJ

Spring Plungers



MPHJ

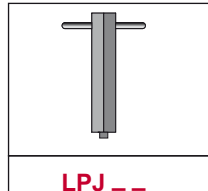


ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPHJ 3 001	M3	1.5	11.5	10	10	1.1	0.8	3	---
MPHJ 3 003	M3	3	18	15	15	1.1	0.8	3	---
MPHJ 4 002	M4	2	17	15	15	1.6	3	9	---
MPHJ 4 004	M4	4	28	24	24	1.6	2	9	---
MPHJ 5 003	M5	3	23	20	20	2	5	20	LPJ 1
MPHJ 5 005	M5	5	32	27	27	2	3	20	LPJ 1
MPHJ 6 003	M6	3	28	25	25	2.5	8	30	LPJ 1
MPHJ 6 005	M6	5	35	30	30	2.5	5	30	LPJ 1
MPHJ 8 003	M8	3	28	25	25	3.1	15	30	LPJ 2
MPHJ 8 005	M8	5	32	27	27	3.1	8	30	LPJ 2
MPHJ 10 005	M10	5	35	30	30	3.8	9	50	LPJ 2
MPHJ 10 010	M10	10	53	43	30	3.8	8	50	LPJ 2
MPHJ 12 005	M12	5	35	30	30	5.5	19	50	LPJ 3
MPHJ 12 010	M12	10	53	43	35	5.5	8	50	LPJ 3
MPHJ 12 015	M12	15	66	51	35	5.5	5	50	LPJ 3
MPHJ 16 010	M16	10	70	60	35	8	13	80	LPJ 4
MPHJ 16 015	M16	15	75	60	35	8	13	80	LPJ 4
MPHJ 16 020	M16	20	105	85	35	8	10	80	LPJ 4
MPHJ 16 030	M16	30	155	125	35	8	7	80	LPJ 4
MPHJ 20 015	M20	15	75	60	45	10	25	150	LPJ 5
MPHJ 24 015	M24	15	75	60	45	10	47	216	LPJ 5

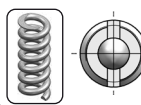
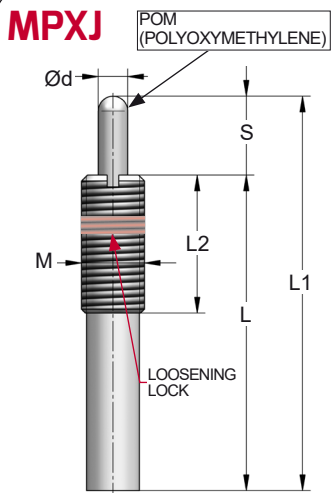
ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MPHJ M24 15

MPHJ 24 015



MPXJ

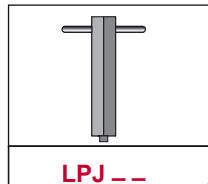


ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPXJ 3 001	M3	1.5	16.5	15	15	1.1	2	5	---
MPXJ 3 003	M3	3	23	20	20	1.1	2	5	---
MPXJ 4 002	M4	2	26	24	24	1.6	5	13	---
MPXJ 4 004	M4	4	28	24	24	1.6	5	13	---
MPXJ 5 003	M5	3	30	27	27	2	9	25	LPJ 1
MPXJ 5 005	M5	5	44	39	39	2	9	25	LPJ 1
MPXJ 6 003	M6	3	33	30	30	2.5	14	39	LPJ 1
MPXJ 6 005	M6	5	41	36	36	2.5	14	39	LPJ 1
MPXJ 8 003	M8	3	30	27	27	3.1	15	41	LPJ 2
MPXJ 8 005	M8	5	40	35	30	3.1	15	41	LPJ 2
MPXJ 10 005	M10	5	40	35	30	3.8	16	63	LPJ 2
MPXJ 10 010	M10	10	63	53	30	3.8	13	63	LPJ 2
MPXJ 12 005	M12	5	48	43	35	5.5	37	98	LPJ 3
MPXJ 12 010	M12	10	68	58	35	5.5	15	98	LPJ 3
MPXJ 12 015	M12	15	93	78	35	5.5	15	98	LPJ 3
MPXJ 16 010	M16	10	70	60	35	8	24	147	LPJ 4
MPXJ 16 015	M16	15	85	70	35	8	22	147	LPJ 4
MPXJ 16 020	M16	20	110	90	35	8	13	147	LPJ 4

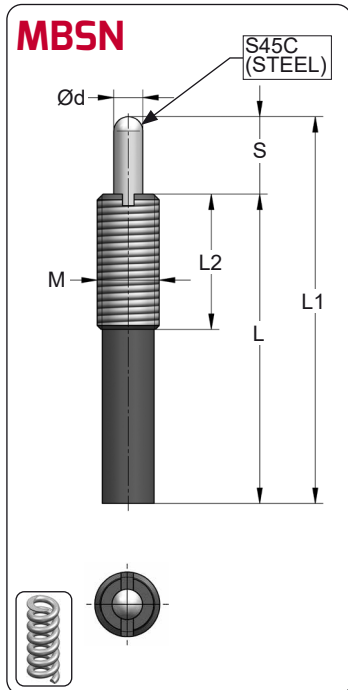
ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MPXJ M16 20

MPXJ 16 020



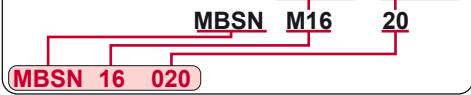
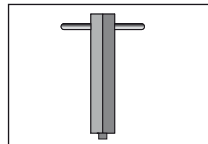
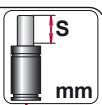
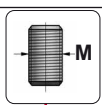
MBSN



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBSN 5 003	M5	3	23	20	20	2	0.74	2.95	LPJ 1
MBSN 5 005	M5	5	32	27	27	2	0.72	2.95	LPJ 1
MBSN 6 003	M6	3	28	25	25	2.5	0.85	3.2	LPJ 1
MBSN 6 005	M6	5	35	30	30	2.5	0.85	3.2	LPJ 1
MBSN 8 003	M8	3	28	25	25	3.1	0.9	3.3	LPJ 2
MBSN 8 005	M8	5	32	27	27	3.1	0.9	3.3	LPJ 2
MBSN 10 005	M10	5	35	30	30	3.8	1.9	4.7	LPJ 2
MBSN 10 010	M10	10	53	43	30	3.8	1.7	4.7	LPJ 2
MBSN 12 005	M12	5	35	30	30	5.5	1.5	4.7	LPJ 3
MBSN 12 010	M12	10	53	43	35	5.5	1.3	5.9	LPJ 3
MBSN 12 015	M12	15	66	51	35	5.5	1.6	5.9	LPJ 3
MBSN 16 010	M16	10	70	60	35	8	1.7	12.8	LPJ 4
MBSN 16 015	M16	15	75	60	35	8	1.7	12.8	LPJ 4
MBSN 16 020	M16	20	105	85	35	8	1.7	12.8	LPJ 4

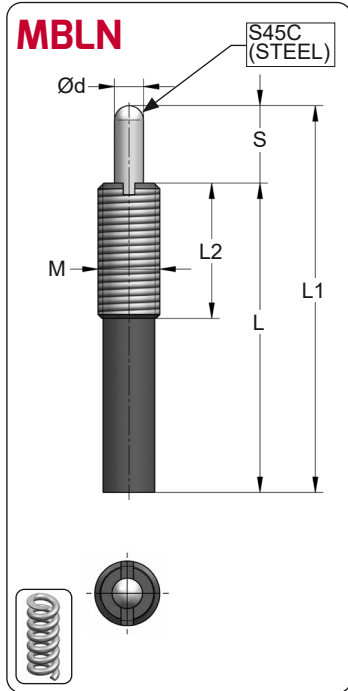


ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO



LPJ _ _

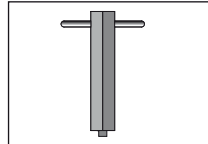
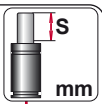
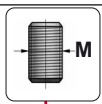
MBLN



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBLN 5 003	M5	3	23	20	20	2	2	10	LPJ 1
MBLN 5 005	M5	5	32	27	27	2	2	10	LPJ 1
MBLN 6 003	M6	3	28	25	25	2.5	6	10	LPJ 1
MBLN 6 005	M6	5	35	30	30	2.5	2	10	LPJ 1
MBLN 8 003	M8	3	28	25	25	3.1	6	10	LPJ 2
MBLN 8 005	M8	5	32	27	27	3.1	3	10	LPJ 2
MBLN 10 005	M10	5	35	30	30	3.8	6	15	LPJ 2
MBLN 10 010	M10	10	53	43	30	3.8	3	15	LPJ 2
MBLN 12 005	M12	5	35	30	30	5.5	6	15	LPJ 3
MBLN 12 010	M12	10	53	43	35	5.5	3	20	LPJ 3
MBLN 12 015	M12	15	66	51	35	5.5	3	20	LPJ 3
MBLN 16 010	M16	10	70	60	35	8	6	40	LPJ 4
MBLN 16 015	M16	15	75	60	35	8	4	40	LPJ 4
MBLN 16 020	M16	20	105	85	35	8	5	40	LPJ 4



ENG ORDER
DEU BESTELL
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ITA ORDINE
ESP PEDIDO
POR PEDIDO



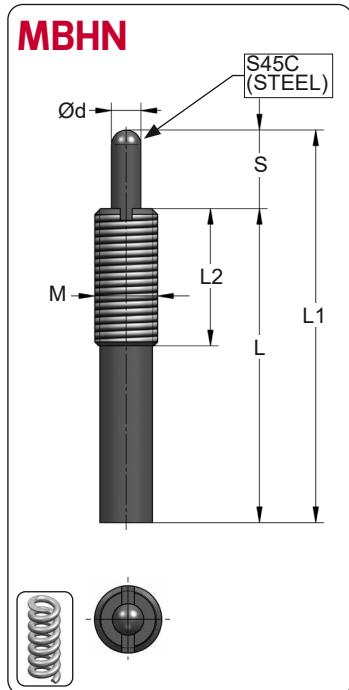
LPJ _ _

MBHN / MBXN

Spring Plungers



MBHN

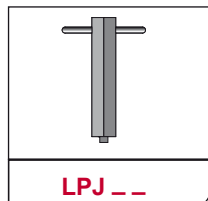


ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBHN 5 003	M5	3	23	20	20	2	5	20	LPJ 1
MBHN 5 005	M5	5	32	27	27	2	3	20	LPJ 1
MBHN 6 003	M6	3	28	25	25	2.5	8	30	LPJ 1
MBHN 6 005	M6	5	35	30	30	2.5	5	30	LPJ 1
MBHN 8 003	M8	3	28	25	25	3.1	15	30	LPJ 2
MBHN 8 005	M8	5	32	27	27	3.1	8	30	LPJ 2
MBHN 10 005	M10	5	35	30	30	3.8	9	50	LPJ 2
MBHN 10 010	M10	10	53	43	30	3.8	8	50	LPJ 2
MBHN 12 005	M12	5	35	30	30	5.5	19	50	LPJ 3
MBHN 12 010	M12	10	53	43	35	5.5	8	50	LPJ 3
MBHN 12 015	M12	15	66	51	35	5.5	5	50	LPJ 3
MBHN 16 010	M16	10	70	60	35	8	13	80	LPJ 4
MBHN 16 015	M16	15	75	60	35	8	13	80	LPJ 4
MBHN 16 020	M16	20	105	85	35	8	10	80	LPJ 4

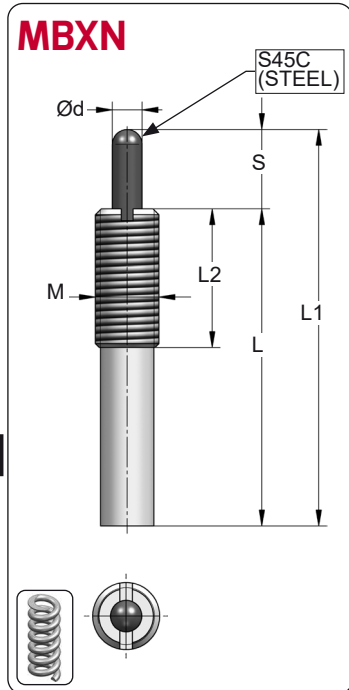
ENG ORDER
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 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MBHN M16 20

MBHN 16 020



MBXN

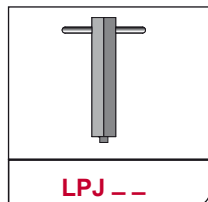


ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MBXN 5 003	M5	3	30	27	27	2	9	25	LPJ 1
MBXN 5 005	M5	5	44	39	39	2	9	25	LPJ 1
MBXN 6 003	M6	3	33	30	30	2.5	14	39	LPJ 1
MBXN 6 005	M6	5	41	36	36	2.5	14	39	LPJ 1
MBXN 8 003	M8	3	30	27	27	3.1	15	41	LPJ 2
MBXN 8 005	M8	5	40	35	30	3.1	15	41	LPJ 2
MBXN 10 005	M10	5	40	35	30	3.8	16	63	LPJ 2
MBXN 10 010	M10	10	63	53	30	3.8	13	63	LPJ 2
MBXN 12 005	M12	5	48	43	35	5.5	37	98	LPJ 3
MBXN 12 010	M12	10	68	58	35	5.5	15	98	LPJ 3
MBXN 12 015	M12	15	93	78	35	5.5	15	98	LPJ 3
MBXN 16 010	M16	10	70	60	35	8	24	147	LPJ 4
MBXN 16 015	M16	15	85	70	35	8	22	147	LPJ 4
MBXN 16 020	M16	20	110	90	35	8	13	147	LPJ 4

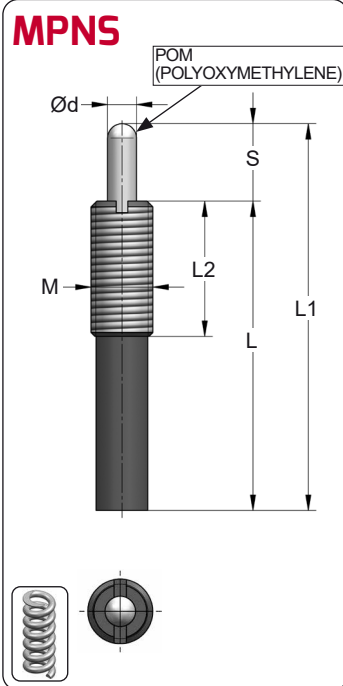
ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MBXN M16 20


MBXN 16 020

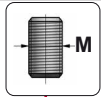



MPNS



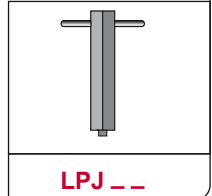
ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPNS 5 003	M5	3	23	20	20	2	0.74	2.95	LPJ 1
MPNS 5 005	M5	5	32	27	27	2	0.72	2.95	LPJ 1
MPNS 6 003	M6	3	28	25	25	2.5	0.85	3.2	LPJ 1
MPNS 6 005	M6	5	35	30	30	2.5	0.85	3.2	LPJ 1
MPNS 8 003	M8	3	28	25	25	3.1	0.9	3.3	LPJ 2
MPNS 8 005	M8	5	32	27	27	3.1	0.9	3.3	LPJ 2
MPNS 10 005	M10	5	35	30	30	3.8	1.9	4.7	LPJ 2
MPNS 10 010	M10	10	53	43	30	3.8	1.7	4.7	LPJ 2
MPNS 12 005	M12	5	35	30	30	5.5	1.5	4.7	LPJ 3
MPNS 12 010	M12	10	53	43	35	5.5	1.3	5.9	LPJ 3
MPNS 12 015	M12	15	66	51	35	5.5	1.6	5.9	LPJ 3
MPNS 16 010	M16	10	70	60	35	8	1.7	12.8	LPJ 4
MPNS 16 015	M16	15	75	60	35	8	1.7	12.8	LPJ 4
MPNS 16 020	M16	20	105	85	35	8	1.7	12.8	LPJ 4


 ENG ORDER
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 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

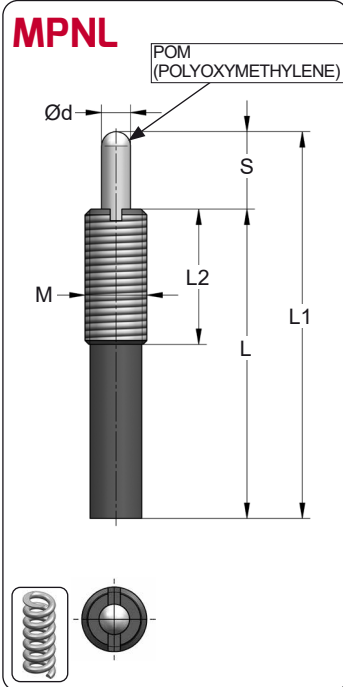



MPNS M16 20


MPNS 16 020

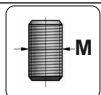



MPNL



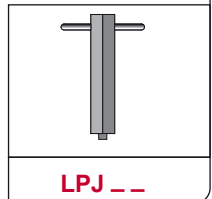
ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPNL 5 003	M5	3	23	20	20	2	2	10	LPJ 1
MPNL 5 005	M5	5	32	27	27	2	2	10	LPJ 1
MPNL 6 003	M6	3	28	25	25	2.5	6	10	LPJ 1
MPNL 6 005	M6	5	35	30	30	2.5	2	10	LPJ 1
MPNL 8 003	M8	3	28	25	25	3.1	6	10	LPJ 2
MPNL 8 005	M8	5	32	27	27	3.1	3	10	LPJ 2
MPNL 10 005	M10	5	35	30	30	3.8	6	15	LPJ 2
MPNL 10 010	M10	10	53	43	30	3.8	3	15	LPJ 2
MPNL 12 005	M12	5	35	30	30	5.5	6	15	LPJ 3
MPNL 12 010	M12	10	53	43	35	5.5	3	20	LPJ 3
MPNL 12 015	M12	15	66	51	35	5.5	3	20	LPJ 3
MPNL 16 010	M16	10	70	60	35	8	6	40	LPJ 4
MPNL 16 015	M16	15	75	60	35	8	4	40	LPJ 4
MPNL 16 020	M16	20	105	85	35	8	5	40	LPJ 4


 ENG ORDER
 DEU BESTELL
 FRA COMMANDE
 ITA ORDINE
 ESP PEDIDO
 POR PEDIDO

MPNL M16 20

MPNL 16 020

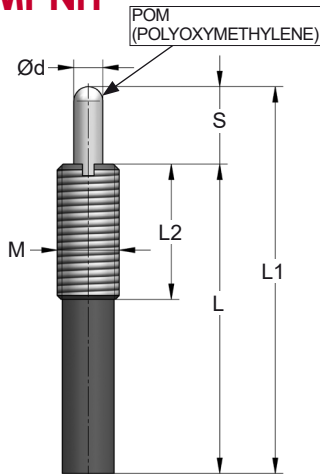


MPNH

Spring Plungers



MPNH



ORDER	M	S (mm)	L1 (mm)	L (mm)	L2 (mm)	Ød (mm)	F ₀ (N)	F ₁ (N)	Key
MPNH 5 003	M5	3	23	20	20	2	5	20	LPJ 1
MPNH 5 005	M5	5	32	27	27	2	3	20	LPJ 1
MPNH 6 003	M6	3	28	25	25	2.5	8	30	LPJ 1
MPNH 6 005	M6	5	35	30	30	2.5	5	30	LPJ 1
MPNH 8 003	M8	3	28	25	25	3.1	15	30	LPJ 2
MPNH 8 005	M8	5	32	27	27	3.1	8	30	LPJ 2
MPNH 10 005	M10	5	35	30	30	3.8	9	50	LPJ 2
MPNH 10 010	M10	10	53	43	30	3.8	8	50	LPJ 2
MPNH 12 005	M12	5	35	30	30	5.5	19	50	LPJ 3
MPNH 12 010	M12	10	53	43	35	5.5	8	50	LPJ 3
MPNH 12 015	M12	15	66	51	35	5.5	5	50	LPJ 3
MPNH 16 010	M16	10	70	60	35	8	13	80	LPJ 4
MPNH 16 015	M16	15	75	60	35	8	13	80	LPJ 4
MPNH 16 020	M16	20	105	85	35	8	10	80	LPJ 4

ENG ORDER
DEU BESTELL
FRA COMMANDE
ITA ORDINE
ESP PEDIDO
POR PEDIDO

MPNH M16 20

MPNH 16 020

LPJ __