

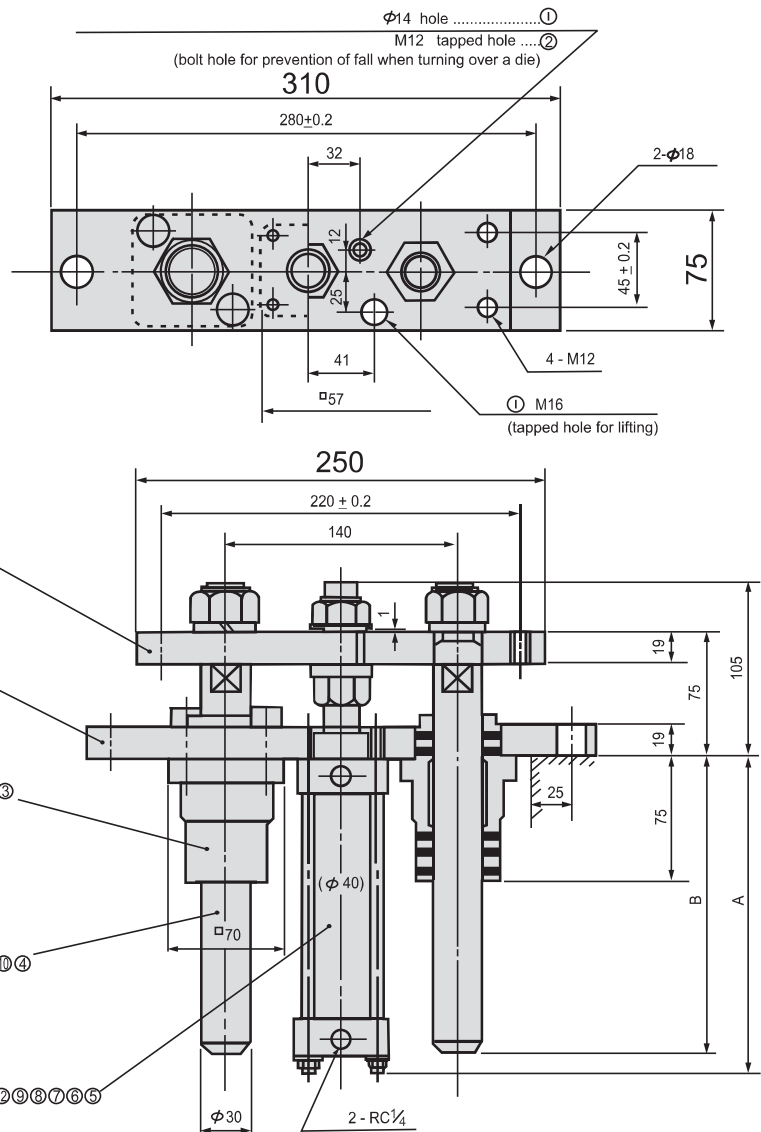
**Section D
LIFTER UNIT**



Oilless H Type Lifter



AHLS-GT-40



Component

No.	Description	Q'ty	Material	Remarks
1	Lifter plate	1	Mild Steel	
2	Cylinder plate	1	Mild Steel	
3	Guide holder	2	FG260	Oilless type
4	Guide pin	2	Case Hardned Steel	HRC55-60
5	Air cylinder	1		LDC4D - 40 x St
6	Collar	1	Mild Steel	
7	Spacer	1	Mild Steel	
8	Hex nut	1	Std	M20
9	U nut	1	Std	M20
10	U nut	2	Std	M24
11	Hex socket bolt	4	Std	M12 X 30
12	Flat washer	1	Std	For M20
13	Spring washer	2	Std	For M24

Note : The cylinder inner diameter is ϕ 40 & type T
 The actual output is approx. $600 \times 0.7 = 420$ N
 at air pressure of 500 kPa

Standard No.	Stroke	A	B	Kg Weight
AHLS-GT-40X 50	50	142	130	13.0
AHLS-GT-40X 75	75	167	155	13.3
AHLS-GT-40X100	100	192	180	13.6
AHLS-GT-40X125	125	217	205	14.1
AHLS-GT-40X150	150	242	230	14.4
AHLS-GT-40X175	175	267	255	14.9
AHLS-GT-40X200	200	292	280	15.2
AHLS-GT-40X225	225	317	305	15.5
AHLS-GT-40X250	250	342	330	15.9
AHLS-GT-40X275	275	367	355	16.2
AHLS-GT-40X300	300	392	380	16.5

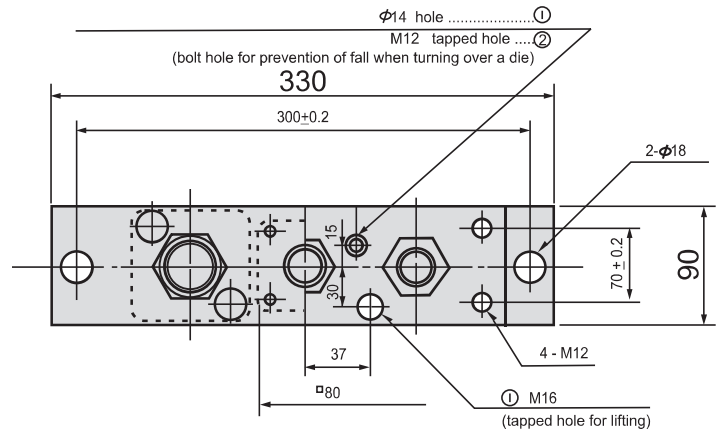


ORDERING CODE	CATALOG NO.	S
	AHLS-GT-40	75

Oilless H Type Lifter



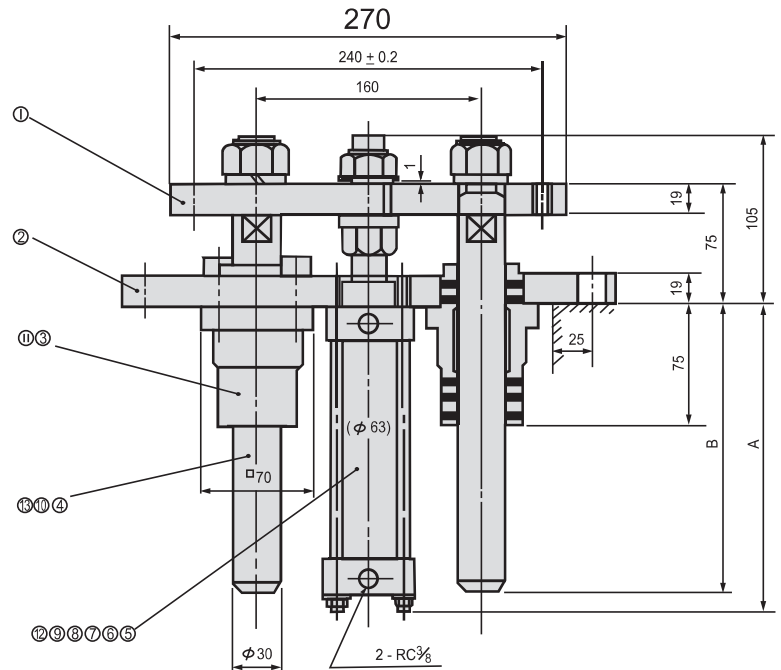
AHLS-GT-63



Component

No.	Description	Q'ty	Material	Remarks
1	Lifter plate	1	Mild Steel	
2	Cylinder plate	1	Mild Steel	
3	Guide holder	2	FG260	Oilless type
4	Guide pin	2	Case Hardened Steel	HRC55-60
5	Air cylinder	1		LDC4D - 63 x St
6	Collar	1	Mild Steel	
7	Spacer	1	Mild Steel	
8	Hex nut	1	Std	M20
9	U nut	1	Std	M20
10	U nut	2	Std	M24
11	Hex socket bolt	4	Std	M12 X 30
12	Flat washer	1	Std	For M20
13	Spring washer	2	Std	For M24

Note : The cylinder inner diameter is $\phi 63$ & type T
The actual output is approx. $1500 \times 0.7 = 1050$ N at air pressure of 500 kPa



Standard No.	Stroke	A	B	Kg Weight
AHLS-GT-63X 50	50	158	130	13.9
AHLS-GT-63X 75	75	183	155	14.2
AHLS-GT-63X100	100	208	180	14.7
AHLS-GT-63X125	125	233	205	15.6
AHLS-GT-63X150	150	258	230	16.8
AHLS-GT-63X175	175	283	255	18.3
AHLS-GT-63X200	200	308	280	17.5
AHLS-GT-63X225	225	333	305	19.0
AHLS-GT-63X250	250	358	330	19.4
AHLS-GT-63X275	275	383	355	19.8
AHLS-GT-63X300	300	408	380	20.1

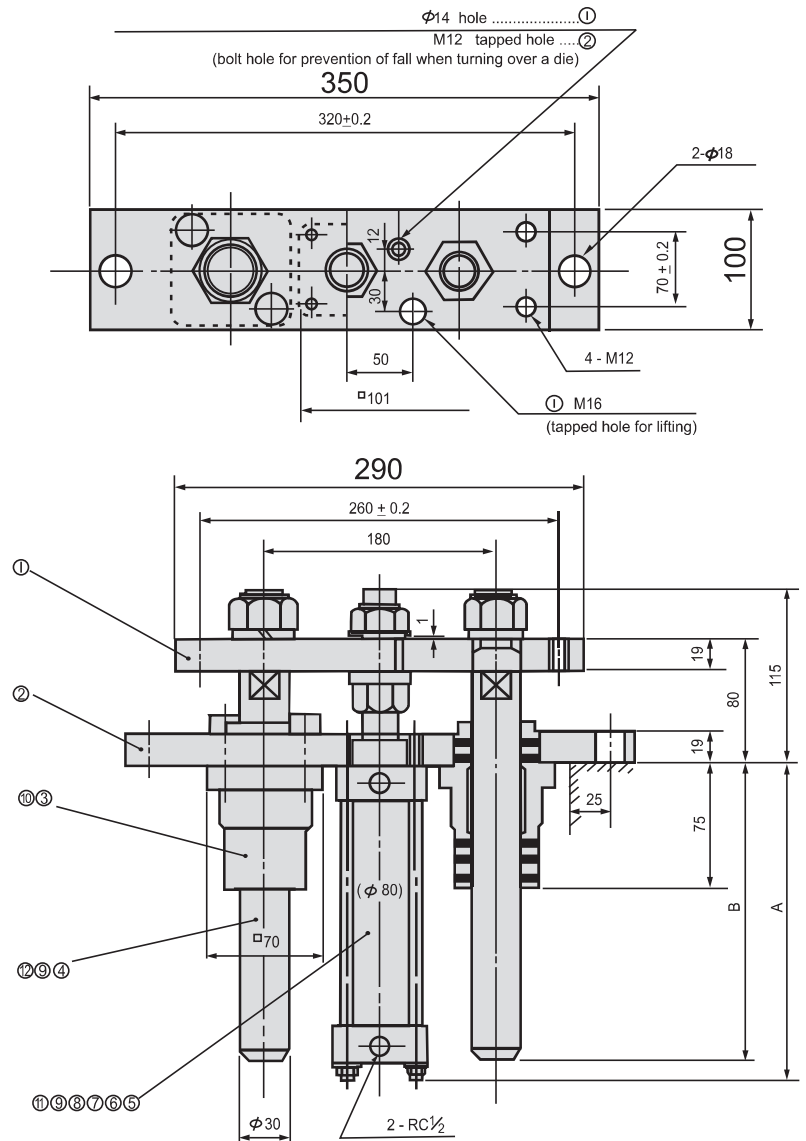


ORDERING CODE	CATALOG NO.	S
	AHLS-GT-63	75

Oilless H Type Lifter



AHLS-GT-80



Component

No.	Description	Q'ty	Material	Remarks
1	Lifter plate	1	Mild Steel	
2	Cylinder plate	1	Mild Steel	
3	Guide holder	2	FG260	Oilless type
4	Guide pin	2	Case Hardned Steel	HRC55~60
5	Air cylinder	1	LDC4D . 80 x St	
6	Collar	1	Mild Steel	
7	Spacer	1	Mild Steel	
8	Hex nut	1	Std	M24
9	U nut	2	Std	M24
10	Hex socket bolt	4	Std	M12 X 30
11	Flat washer	1	Std	For M24
12	Spring washer	2	Std	For M24

Note : The cylinder inner diameter is $\phi 80$ & type T
The actual output is approx. $2250 \times 0.7 = 1750$ N at air pressure of 500 kPa

Standard No.	Stroke	A	B	Kg Weight
AHLS-GT-80X 50	50	179	130	19.2
AHLS-GT-80X 75	75	204	155	19.5
AHLS-GT-80X100	100	229	180	20.0
AHLS-GT-80X125	125	254	205	20.6
AHLS-GT-80X150	150	279	230	21.1
AHLS-GT-80X175	175	304	255	21.5
AHLS-GT-80X200	200	329	280	22.2
AHLS-GT-80X225	225	354	305	22.9
AHLS-GT-80X250	250	379	330	23.6
AHLS-GT-80X275	275	404	355	24.3
AHLS-GT-80X300	300	429	380	25.1

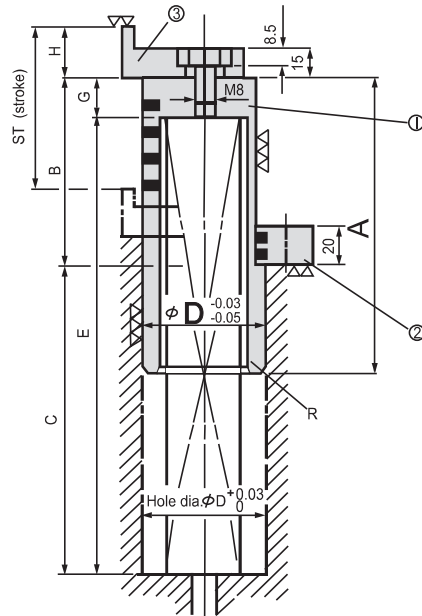


ORDERING CODE	CATALOG NO.	S
	AHLS-GT-80	75

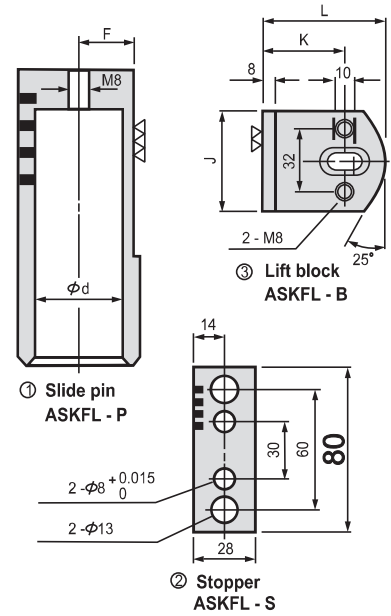
Oilless Flange Lifter



ASKFL



Component



Component

No.	Description	Q'ty	Material	Remarks
1	Slide pin	1	FG260	Oilless type
2	Stopper	1	S45C	Oilless type
3	Lift block	1	S45C	

Standard No.	ST	A	B	C	D	E	F	G	H	J	K	L	φ d
ASKFL-50X100	50	110	75	105	50	155	19	25	25	45	40	55	33
ASKFL-60X150	80	160	105	155	60	230	25	30	25	50	40	60	43
ASKFL-75X200	100	200	125	195	75	280	30	40	30	60	55	75	53

Specifications

Standard No.	Spring	Initial		Final	
		Length mm	Load N	Length mm	Load N
ASKFL-50X100	AF30 X 175	155	160	105	580
ASKFL-60X150	AF40 X 250	230	200	150	1020
ASKFL-75X200	AF50 X 300	280	260	180	1600



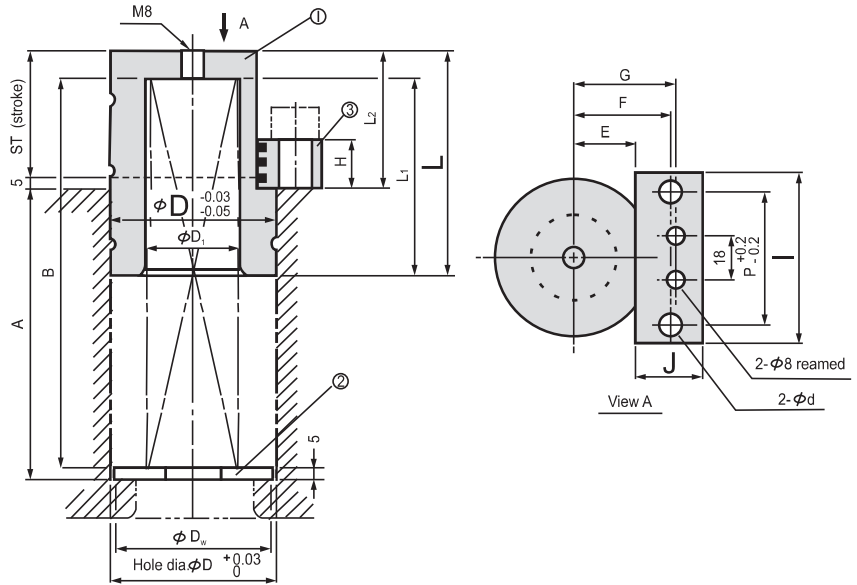
ORDERING CODE

CATALOG NO.	ST	SPRING
ASKFL50	100	AF

Oilless Flange Lifter



ASGFL



Component

No.	Description	Q'ty	Material	Remarks
1	Slide pin	1	FG260	
2	Washer	1	S45C	
3	Stopper	1	S45C	Oilless type

Standard No.	φD	ST	L	φD ₁	L ₁	L ₂	A	B	E	F	G	H	I	J
ASGFL-65X 50	50	50	90	37	80	55	115	155	25	39	40	20	68	25
ASGFL-80X 80	80	80	140	53	125	85	165	230	32	49	49	50	80	30
ASGFL-80X120		120	180		150	125	195	285						

Standard No.	φd	p	φDw	Spring size	Initial N	Final N
ASGFL-65X 50	φ13	48	63	AF35 X 175	224	784
ASGFL-80X 80	φ18	54	78	AF50 X 250	320	1600
ASGFL-80X120				AF50 X 300	200	1800



ORDERING CODE

CATALOG NO.	ST	SPRING
ASGFL80	120	AF

Flange Lifter - Self-lube Base Mounting Type



ASOFLV 50

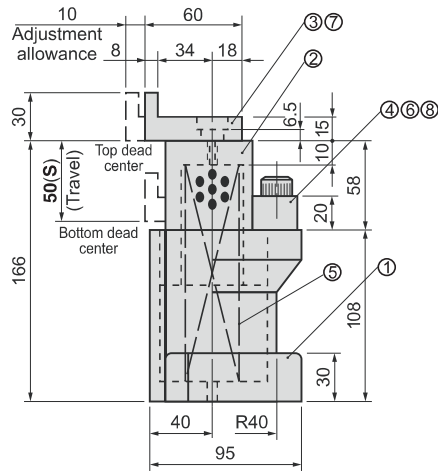
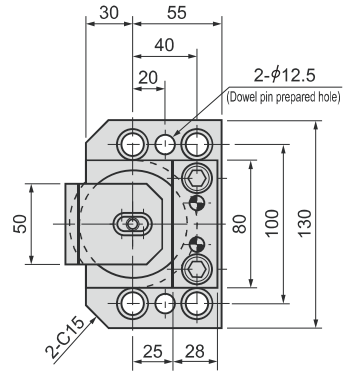


Table of Components

No.	Description	Qty	Material and Remark
①	Casing	1	FG260
②	Slide Pin	1	S20C with Graphite
③	Lift Block	1	C45
④	Stopper	1	C45 Hardness HRC40 to 45
⑤	Spring	1	AF35-150
⑥	Hexagon Socket Head Bolt	2	M12X40
⑦	Hexagon Socket Head Bolt	1	M8X20
⑧	Dowel Pin	2	φ8X30

Spring		Mounting		Final		Travel (mm)
Outer Diameter (mm)	Free Length (mm)	Length (mm)	Initial Load (N)	Length (mm)	Maximum Load (N)	
35	150	138	160	88	810	50



ORDERING CODE	CATALOG NO.	S
	ASOFLV	50

Flange Lifter - Self-lube Base Mounting Type



ASOFLV 80

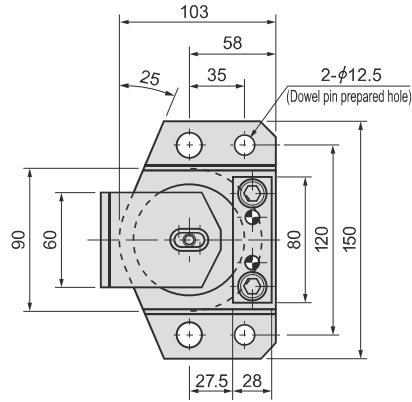
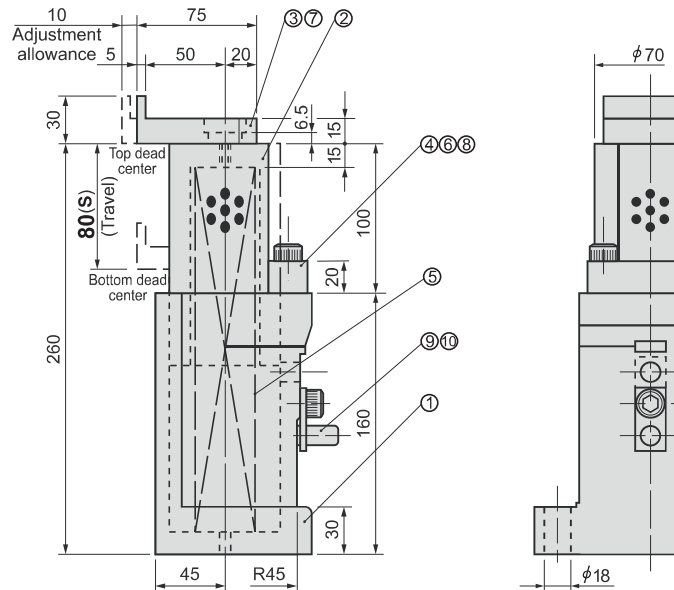


Table of Components

No.	Description	Qty	Material and Remark
①	Casing	1	FG260
②	Slide Pin	1	S20C with Graphite
③	Lift Block	1	C45
④	Stopper	1	C45 Hardness HRC40 to 45
⑤	Spring	1	AF40-250
⑥	Hexagon Socket Head Bolt	2	M12X40
⑦	Hexagon Socket Head Bolt	1	M8X20
⑧	Dowel Pin	2	φ 8X40
⑨	Lock Pin	1	M.S.
⑩	Hexagon Socket Head Bolt	1	M10X16



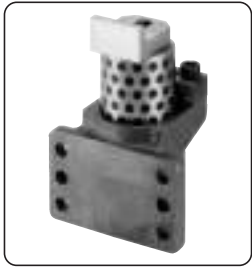
Spring		Mounting		Final		Travel (mm)
Outer Diameter (mm)	Free Length (mm)	Length (mm)	Initial Load (N)	Length (mm)	Maximum Load (N)	
40	250	230	200	150	1020	80



ORDERING CODE	CATALOG NO.	S
ASOFLV		80



Flange Lifter - Side Mount Type



ASOFLH50

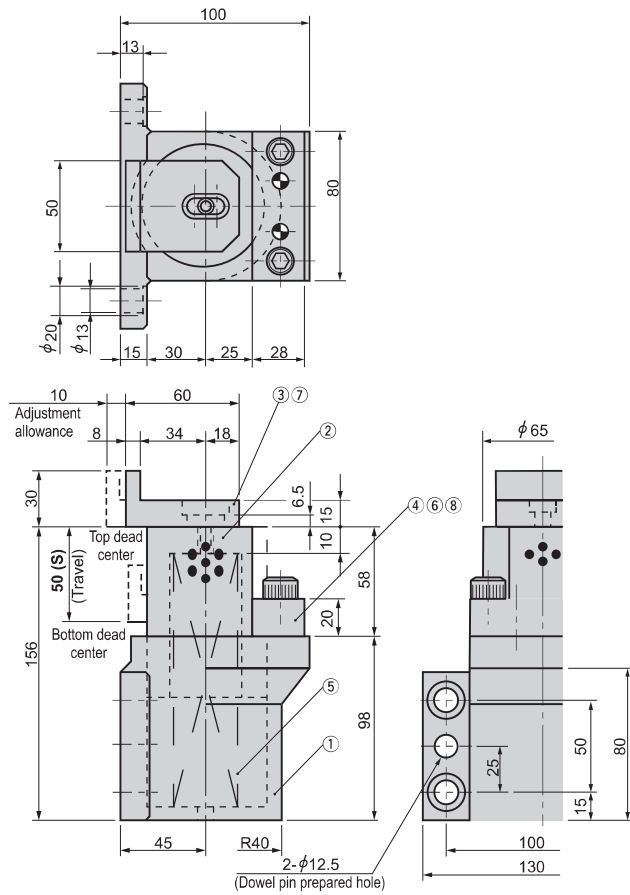


Table of Components

No.	Description	Qty	Material and Remark
①	Casing	1	FC260
②	Slide Pin	1	S20C With Graphite
③	Lift Block	1	C45
④	Stopper	1	C45 Hardness HRC40 to 45
⑤	Spring	1	AF 35 - 150
⑥	Hexagon Socket Head Bolt	2	M12 X 40
⑦	Hexagon Socket Head Bolt	1	M8 X 20
⑧	Dowel Pin	2	φ 8 X 30

Spring		Mounting		Final		Travel (mm)
Outer Diameter (mm)	Free Length (mm)	Length (mm)	Initial (N)	Length (mm)	Maximum Load (N)	
35	150	138	160	88	810	50



ORDERING CODE

CATALOG NO. S
ASOFLH 50

Lifter - Embedded & FG260 Type



AFL

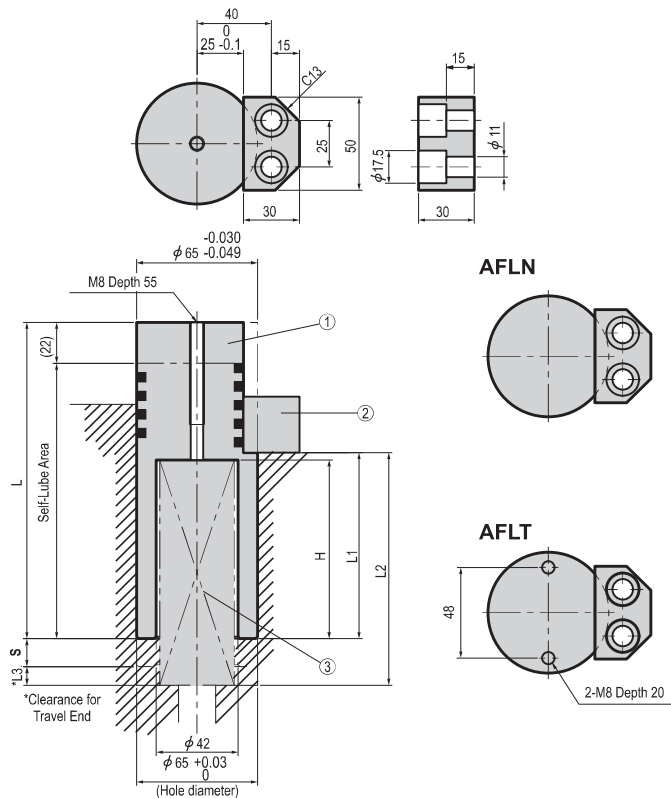


Table of Components

No.	Description	Qty	Material and Remark
①	Slide Pin	1	FG260 With Graphite
②	Stopper	1	Case Hardened Steel HRC58~
③	Coil Spring	1	AF or AL40

Travel S	H	L	L1	For AF		For AL	
				L2	L3	L2	L3
15	96	170	100	125	10	125	10
40			75			125	10
60			55			140	25

Travel S	③Coil Spring Type AF40				③Coil Spring Type AL40					
	Free Length	Mounting		Final		Free Length	Mounting		Final	
		Length	Load(N)	Length	Load(N)		Length	Load(N)	Length	Load(N)
15	150	121	485	106	735	150	121	1022	106	1551
40	175	146	415		988	175	146	876	106	2084
60	200	166	426		1178	200	181	502	121	2088

Catalog No.	Travel S	③ Type
AFL	15	AF AL
AFLN	40	
AFLT	60	

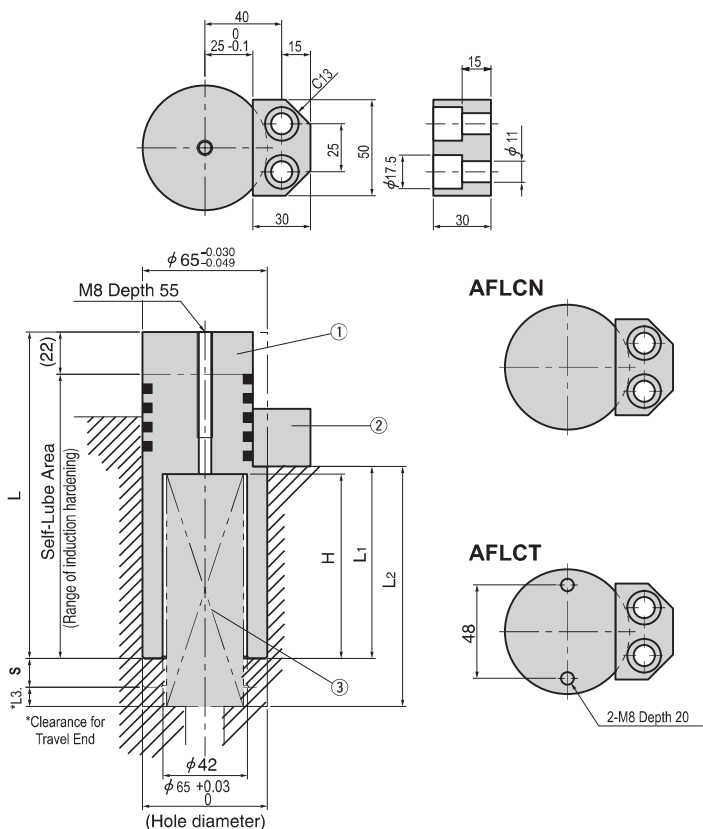


ORDERING CODE	CATALOG NO.	S	Type
	AFLN	60	AL

Lifter - Embedded And S45C Type



AFLC



AFLCN

AFLCT

Table of Components

No.	Description	Qty	Material and Remark
①	Slide Pin	1	S45C With Graphite HRC50~
②	Stopper	1	Case Hardened Steel HRC58~
③	Coil Spring	1	AF or AL40

Travel S	H	L	L1	For AF		For AL	
				L2	L3	L2	L3
40	96	170	75	125	10	125	10
60			55			140	25

Travel S	③Coil Spring Type AF40				③Coil Spring Type AL40					
	Free Length	Mounting		Final		Free Length	Mounting		Final	
		Length	Load (N)	Length	Load (N)		Length	Load (N)	Length	Load (N)
40	175	146	415	160	988	175	146	876	106	2084
60	200	166	426		1178	200	181	502	121	2088

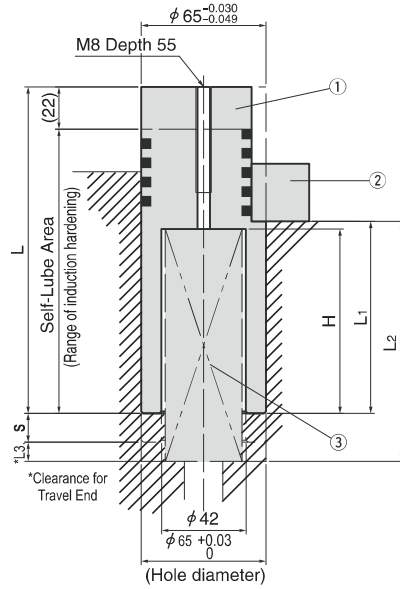
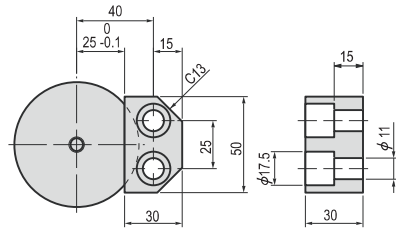
Catalog No.	Travel S	③ Type
AFLC	40	AF
AFLCN	60	AL
AFLCT		

ORDERING CODE	CATALOG NO.	S	Type
	AFLCN	60	AL

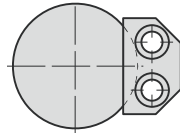
Lifter - Embedded And FG 260 Type



AFLD



AFLDN



AFLDT

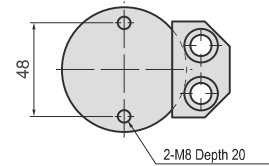


Table of Components

No.	Description	Qty	Material and Remark
①	Slide Pin	1	FG260 With Graphite
②	Stopper	1	Case Hardened Steel HRC58~
③	Coil Spring	1	AF or AL40

Travel S	H	L	L1	For AF		For AL	
				L2	L3	L2	L3
80	120	200	65	155	10	205	60
90			55				
100			45				

Teavel S	③Coil Spring Type AF40				③Coil Spring Type AL40					
	Free Length	Mounting		Final		Free Length	Mounting		Final	
		Length	Load(N)	Length	Load(N)		Length	Load(N)	Length	Load(N)
80	250	210	401	130	1204	300	260	705	180	2114
90		220	301			270	529			
100		230	201			280	352			

Catalog No.	Teavel S	③ Type
AFLD AFLDN AFLDT	80	AF AL
	90	
	100	

ORDERING CODE	CATALOG NO.	S	Type
	AFLDT	100	AL