

# SLIDE RETAINERS



Progressive's SRT® Series Slide Retainers reliably hold from 2 to 80 pounds (1 to 36 kgs) each. This slide retention design now features color-coded springs to indicate force rating. This compact design allows for installation in a mold base or wear plates.

Optional cleats may be selected or the V-Groove for roller retention may be machined in the bottom of the slide as shown on opposing page.



## Inch Standard

Roller: **M** M-2 **H** 60-62 HRC **S** Titanium Nitride Coated 80 HRC

SLIDE RETAINER								CLEAT				
SLIDE RETAINER CATALOG NUMBER	Max Weight Per Unit (lbs)	ØD +.005 -.000	L ±.001	S ±.002	T Screws (2)	E Minimum Thread Depth	Color	CLEAT CATALOG NUMBER	G ±.001	C ±.002	H Screws (2)	J Minimum Thread Depth
SRT-02	2	.625	.160	.155	#4-48	.075	GRN	SRTC-10	.250	.190	#6-32	.250
SRT-04	4						BLU					
SRT-10	10						RED					
SRT-20	20	.750	.500	.150	#8-32	.190	GRN	SRTC-30	.250	.250	#6-32	.250
SRT-30	30						BLU					
SRT-50	50	.875	.750	.150	#8-32	.245	RED	SRTC-80	.250	.300	#6-32	.250
SRT-80	80						YEL					

Cleats sold separately.



## Metric Standard

Roller: **M** M-2 **H** 60-62 HRC **S** Titanium Nitride Coated 80 HRC

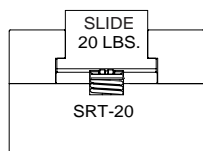
SLIDE RETAINER								CLEAT				
SLIDE RETAINER CATALOG NUMBER	Max Weight Per Unit (kgs)	ØD +1 -.0	L ±.025	S ±.05	T Screws (2)	E Minimum Thread Depth	Color	CLEAT CATALOG NUMBER	G ±.025	C ±.05	H Screws (2)	J Minimum Thread Depth
SRTM-01	1	15.9	4.06	3.95	M3 x .5	1.9	GRN	SRTMC-04	6.35	4.85	M3 x .5	6.35
SRTM-02	2						BLU					
SRTM-04	4						RED					
SRTM-09	9	19.1	12.70	3.80	M4 x .7	4.8	GRN	SRTMC-13	6.35	6.35	M3 x .5	6.35
SRTM-13	13						BLU					
SRTM-22	22	22.3	19.05	3.80	M4 x .7	6.2	RED	SRTMC-36	6.35	7.60	M3 x .5	6.35
SRTM-36	36						YEL					

Cleats sold separately.

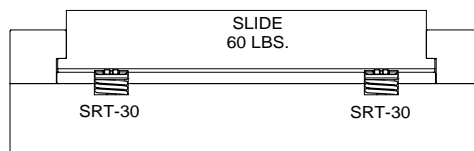


## Technical Information:

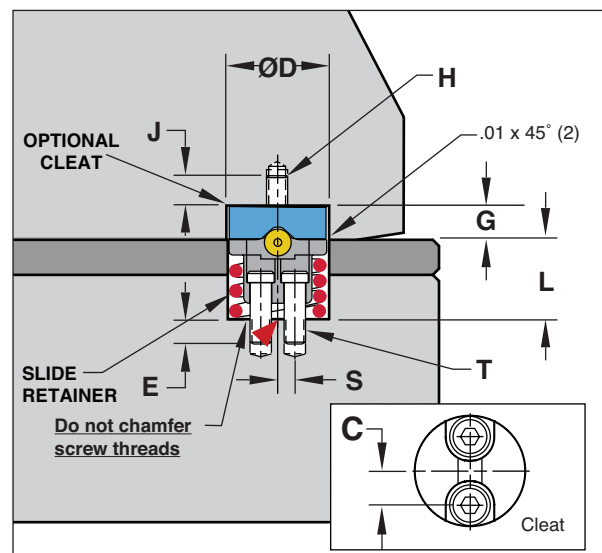
- Maximum operating temperature is 425° F (218° C).
- Match total Slide Retainers Spring force to slide weight; excess spring force could induce wear.
- Do not chamfer screw threads.
- Machine 10° lead-in on all slides to aid in assembly once the SRT is installed.
- Optional Bases and Bushings shown on the following page allow for installation in plates made from materials such as aluminum, copper, bronze, etc. and contain the screw/thread installation.



Select the single Slide Retainer to match the slide weight.



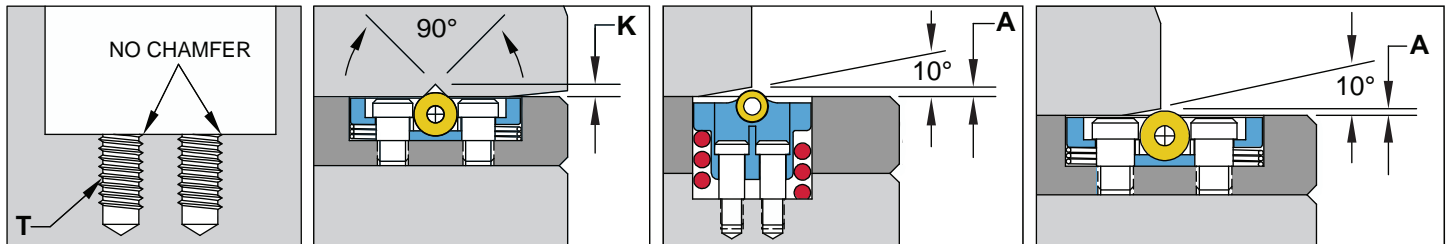
Or add the force of multiple Slide Retainers to match the slide weight.





# SRT DESIGN GUIDELINES

INCH					METRIC				
RETAINER CATALOG NUMBER	T Thread (2)	Tap Class Required	K V-Groove	A 10° Angle Lead - In	RETAINER CATALOG NUMBER	T Thread (2)	Tap Class Required	K V-Groove	A 10° Angle Lead - In
SRT-02	#4-48	2B GH2	.041"	.02"	SRTM-01	M3x.5	6H D3	1 mm	.50 mm
SRT-04					SRTM-02				
SRT-10					SRTM-04				
SRT-20	#8-32	2B GH3	.078"	.04"	SRTM-09	M4x.7	6H D4	2 mm	1.00 mm
SRT-30					SRTM-13				
SRT-50					SRTM-22				
SRT-80	#8-32	2B GH3	.078"	.05"	SRTM-36	M4x.7	6H D4	2 mm	1.27 mm



## SRT BASES

Base: **M** D-2 **H** 58-60 HRC 

CATALOG NUMBER	ØD +.005 -0.000	L ±.001	SI ±.005	T	E REF	Screws (2)
SRTBA-10	.625	.375	.375	.215	.220	#4-40 x .31
SRTBA-30	.750	.750	.440	.250	.280	#6-32 x .37
SRTBA-80	.875	1.000	.500	.250	.280	#6-32 x .37

Inch Standard



Bushing: **M** D-2 **H** 58-60 HRC

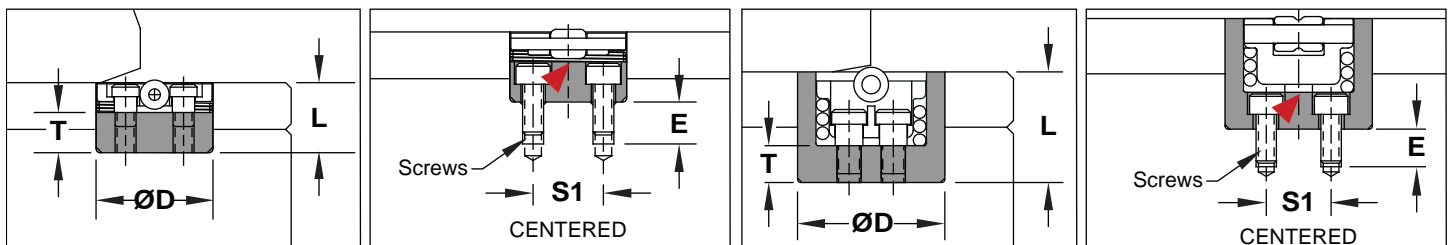
Metric Standard

Base: **M** D-2 **H** 58-60 HRC

CATALOG NUMBER	ØD +.1 -0	L ±.03	SI ±.1	T	E REF	Screws (2)
SRTMBA-04	15.9	9.56	8.0	5.50	5.30	M2.5-.45 x 8
SRTMBA-13	19.1	19.05	11.0	6.35	4.95	M3-.5 x 8
SRTMBA-36	22.3	25.40	13.0	6.35	4.95	M3-.5 x 8

Bushing: **M** D-2 **H** 58-60 HRC

CATALOG NUMBER	ØD +.03 -0.00	L +.05 -0.00	SI ±.1	T	E REF	Screws (2)
SRTMBU-04	22.3	9.50	8.0	5.44	5.35	M2.5-.45 x 8
SRTMBU-13	25.4	19.10	11.0	6.35	4.95	M3-.5 x 8
SRTMBU-36	28.5	25.40	13.0	6.35	4.95	M3-.5 x 8



SRT Bases enable the Slide Retainer to be installed in a hardened plate when mold base steel is aluminum, for example. (SRTBA-10 shown in graphics.)

SRT Bushings accept the standard Slide Retainer to allow for installation in soft materials (aluminum, copper bronze, etc.) Also, the SRT Bushing can provide hardened guidance against wear rather than bearing on a bronze wear plate. (SRTBU-30 shown in graphics.)

► CAD insertion point