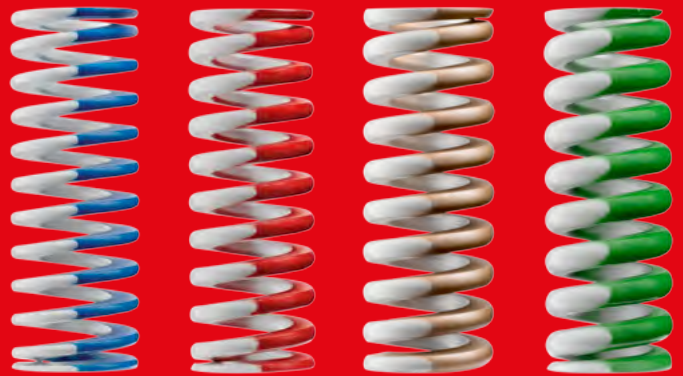


**INNOVATING
SAFETY**
since 1978

DIE SPRINGS

US SERIES



THE SPRING WITH the Stripe





EN The new benchmark for the Special Springs US Series. E-coat provides corrosion resistance and high mechanical strength. Coating thickness controlled to $10 < 30 \mu\text{m}$.

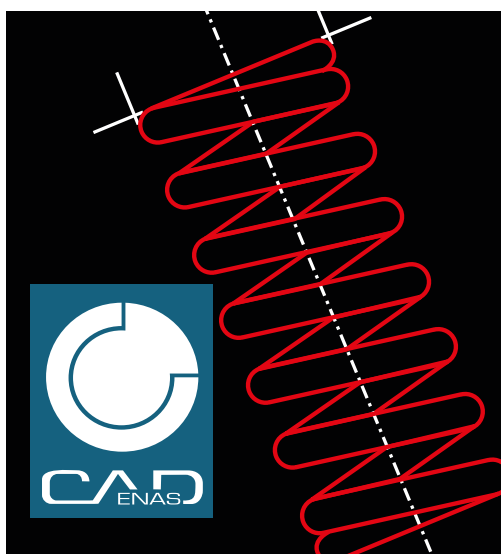
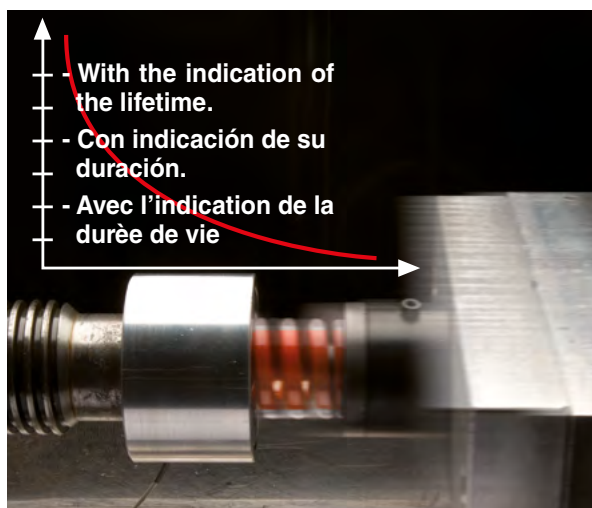
ES La nueva referencia para la Serie US de Special Springs. E-coating ofrece resistencia a la corrosión y alta resistencia mecánica. Espesor controlado $10 < 30 \mu\text{m}$.

FR Le nouveau standard pour la Série US de Special Springs. E-coating offre résistance à la corrosion et haute résistance mécanique. Epaisseur contrôlée $10 < 30 \mu\text{m}$.

EN Life cycle data published in catalog indicating minimum spring life based on deflection %. Working conditions can significantly influence actual spring life.

ES Datos del ciclo de vida publicados en el catálogo que indican la vida mínima del resorte basada en el porcentaje de deflexión. Las condiciones de trabajo pueden influir significativamente en la vida útil real de los resortes.

FR Données relatives au cycle de vie, publiées dans le catalogue, indiquant la durée de vie minimum du ressort sur la base du % de flexion. Les conditions de travail peuvent sensiblement influencer sur la durée de vie réelle du ressort.



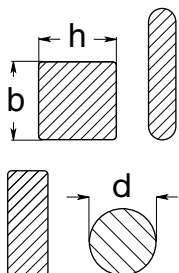
EN 2-3D CAD files easily downloaded through Cadenas Partcommunity and eCATALOGsolution.

ES Los archivos CAD 2-3D se descargan fácilmente a través de Cadenas Partcommunity y eCATALOGsolution.

FR Fichiers 2-3D CAD pouvant être facilement téléchargés grâce à Cadenas Partcommunity et eCATALOGsolution.

CUSTOM SPRINGS

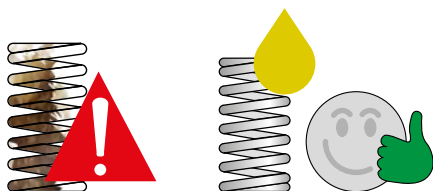
- Multiple Wire Forms
- 100% In house processes
- No Minimum Order Quantity
- Competitive price



- Diameters from 3 mm - 150 mm
- Quick delivery
- Made to customer specification

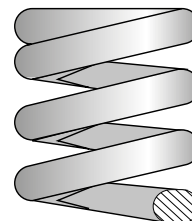
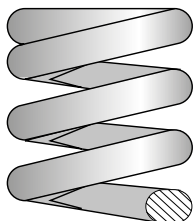
UNPAINTED SPRINGS

- **MODELS:** Same of standard series.
- **MIN. QUANTITY:** Same as standard springs.
- **HOW TO ORDER:** Add "U" to part number, see page 9.
- **SPRINGS IDENTIFICATION:** Unpainted springs can be identified by label or measurement.



- **RUST PROTECTION:** Rust can cause early breaking, thus we recommend special care when using unpainted springs.

RANGE OVERVIEW



DH	Dd	L0
inch	inch	inch
3/8	3/16	1
		1 1/4
		1 1/2
		1 3/4
		2
		2 1/2
		3
		12
1/2	9/32	1
		1 1/4
		1 1/2
		1 3/4
		2
		2 1/2
		3
		3 1/2
		4
		4 1/2
		5 1/2
		6 1/2
5/8	11/32	1
		1 1/4
		1 1/2
		1 3/4
		2
		2 1/2
		3
		3 1/2
		4
		4 1/2
		12
3/4	3/8	1
		1 1/4
		1 1/2
		1 3/4
		2
		2 1/2
		3
		3 1/2
		4
		4 1/2
		5
		5 1/2
		6
		6 1/2
		7 1/2
		12
1	1/2	1
		1 1/4
		1 1/2
		1 3/4
		2
		2 1/2
		3
		3 1/2
		4
		4 1/2
		5 1/2
		6 1/2

US series
Max. Defl. 50% L ₀
R ± 10%
lbs./1 inch
6.0
5.0
4.2
3.7
3.1
2.6
2.1
0.6
11.0
8.2
6.8
6.0
5.5
4.5
3.5
3.0
2.6
2.3
2.0
1.4
1.2
0.7
16.4
12.4
10.8
9.6
8.6
6.5
5.8
5.0
4.4
3.8
1.5
32.0
25.6
20.0
17.6
15.0
12.0
10.1
8.3
7.5
6.4
6.0
5.5
5.0
4.7
3.8
2.4
55.0
45.0
37.3
32.0
26.8
20.9
17.1
14.5
12.5
11.0

US series
Max. Defl. 37% L ₀
R ± 10%
lbs./1 inch
8.4
7.3
6.7
5.8
5.0
3.7
3.0
0.8
15.5
12.2
9.8
8.5
7.5
6.0
5.1
4.0
3.7
-
-
-
-
-
1.1
30.0
21.5
19.0
16.8
15.5
11.5
10.0
8.5
7.6
6.6
2.6
50.0
38.0
31.0
27.0
24.0
18.8
14.9
12.8
11.0
10.0
9.0
8.0
7.5
-
-
3.5
82.7
65.3
53.8
46.1
40.0
32.2
26.7
22.9
20.2
17.8

US series
Max. Defl. 30% L ₀
R ± 10%
lbs./1 inch
11.6
9.8
8.0
7.5
6.2
5.0
4.1
1.1
22.5
18.2
14.8
12.6
11.0
8.6
7.4
6.0
5.3
-
-
-
-
1.7
42.4
32.5
28.0
24.0
20.8
17.0
14.0
12.2
10.8
9.5
3.0
108.0
88.0
69.0
60.0
51.5
40.0
33.0
29.0
25.0
22.0
19.5
17.8
16.0
-
-
8.0
193.2
146.5
120.0
104.0
87.2
66.5
54.4
45.6
40.0
35.2

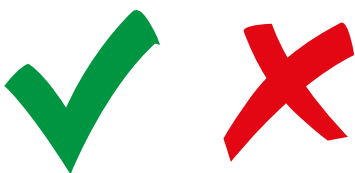
US series
Max. Defl. 25% L ₀
R ± 10%
lbs./1 inch
21.0
14.6
12.5
10.5
9.0
7.5
6.3
1.5
31.0
24.0
19.2
17.0
14.0
11.5
9.4
8.0
7.1
-
-
-
2.4
63.0
43.8
37.0
31.0
28.0
22.0
19.0
15.4
13.5
12.0
4.5
140.0
110.0
89.0
75.0
66.0
50.0
40.5
34.5
30.0
26.5
23.5
21.5
19.5
-
-
9.5
243.7
187.6
160.0
133.9
116.0
89.6
73.6
62.4
55.2
48.8

DH	Dd	L0
inch	inch	inch
1	1/2	5
		5 1/2
		6
		7
		8
		12
1 1/4	5/8	1 1/2
		1 3/4
		2
		2 1/2
		3
		3 1/2
		4
		4 1/2
		5
		5 1/2
		6
		7
1 1/2	3/4	8
		10
		12
		2
		2 1/2
		3
		3 1/2
		4
		4 1/2
		5
		5 1/2
		6
2	1	7
		8
		10
		12
		2 1/2
		3
		3 1/2
		4
		4 1/2
		5
		5 1/2
		6
2 1/2	1 1/2	7
		8
		10
		12
		3
		3 1/2
		4
		4 1/2
		5
		5 1/2
		6
		7

US series
Max. Defl. 50% L ₀
R ± 10%
lbs./1 inch
9.6
8.8
8.0
7.2
6.0
4.0
49.6
40.6
37.6
28.8
24.0
20.0
17.6
16.0
14.3
12.8
12.0
10.4
8.8
7.2
6.0
53.0
42.7
36.0
30.0
24.9
23.0
21.0
18.5
17.0
15.3
13.2
10.6
8.5
100.0
83.0
67.7
60.0
53.0
47.0
40.5
39.0
31.2
28.5
21.6
18.5
108.1
89.6
76.2
66.6
59.4
53.2
48.1
41.5
35.9
-
26.9
23.4

020 - **5** Special Springs

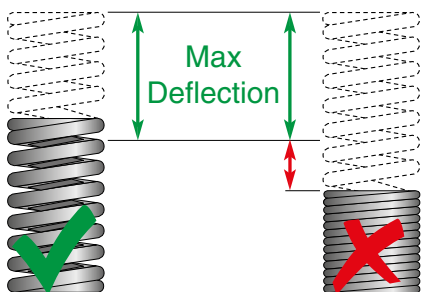
USER RECOMMENDATIONS



EN The correct use of Special Springs' springs ensures longer life. Incorrect use can significantly reduce the expected life and may cause damage to the equipment.

ES El uso correcto de los muelles Special Springs asegura una más larga duración. Utilizaciones incorrectas reducen significativamente los valores de duración y pueden provocar daños a la herramienta.

FR L'utilisation correcte des ressorts Special Springs assure une durée de vie plus longue. Des utilisations incorrectes réduisent significativement les valeurs de durée et sont la cause de dommages à l'outil.

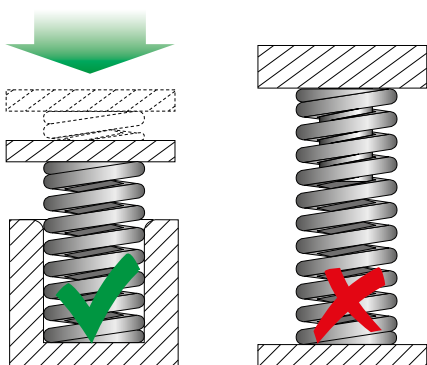


EN Do not exceed the maximum operating deflection (Column C) that is indicated for each spring in the catalog.

ES No exceda la deflexión máxima de funcionamiento (Columna C) que se indica en el catálogo para cada muelle.

FR Ne pas dépasser la déflexion maximale de fonctionnement (Colonne C) indiquée dans le catalogue pour chaque ressort.

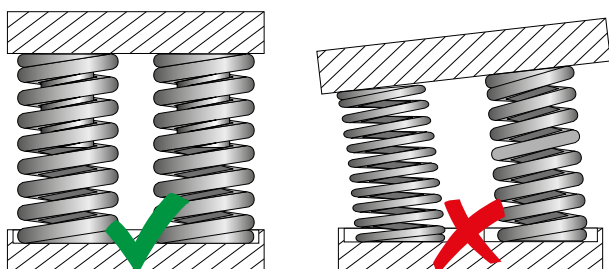
Pre-load $\geq 5\% L_0$



EN Pre-loading the spring to a minimum of 5% of the free length is strongly recommended. Pre-load will ensure longer life and optimum performance. Insufficient pre-load will reduce performance and spring life.

ES Se recomienda encarecidamente precargar el resorte a un mínimo del 5% de la longitud libre. La precarga asegurará una vida útil más larga y un rendimiento óptimo. Una precarga insuficiente reducirá el rendimiento y la vida útil del resorte.

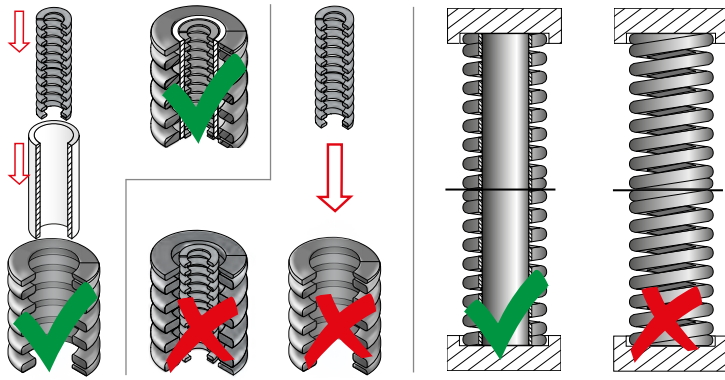
FR Nous recommandons vivement de précharger le ressort à un minimum de 5 % de la longueur libre. La précharge garantira une durée de vie plus longue et des performances optimales. Une précharge insuffisante réduira la durée de vie du ressort et ses performances.



EN To ensure perpendicularity and promote spring life, use springs that have similar forces and deflection rate.

ES Para asegurar la perpendicularidad y garantizar la vida útil del resorte, utilice resortes que tengan fuerzas y rigidez de deflexión similares.

FR Pour garantir la perpendicularité et prolonger la durée de vie du ressort, veuillez utiliser des ressorts disposant de tensions et de taux de flexion similaires.

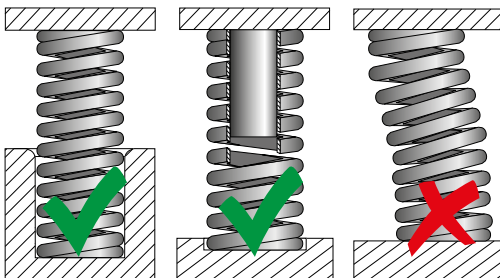


EN Stack springs only if guided. Coupled springs is an option provided the springs are not in contact.

ES Muelles superpuestos solo si son guiados. Muelles acoplados es una opción solo si los muelles no están en contacto.

FR Ressorts superposés uniquement s'ils sont guidés. Ressorts couplés est une option uniquement s'ils ne sont pas en contact.

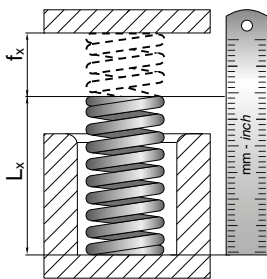
$$(L_0 / D_H) > 3.5$$



EN The bigger the guide the longer the lifetime. It is essential to always guide springs with a free length / diameter (L_0 / D_H) ratio exceeding 3.5.

ES Cuanto mayor sea el conjunto de dispositivos de guía, mayor será la duración de los muelles. Es siempre necesario guiar todos los muelles con una relación de longitud / diámetro (L_0 / D_H) mayor de 3.5.

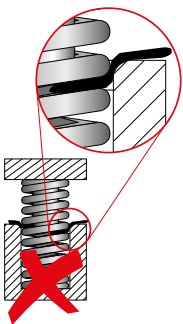
FR Plus le guidage est important et plus la durée des ressorts sera longue. Il est toujours nécessaire de guider tous les ressorts avec un rapport longueur / diamètre (L_0 / D_H) supérieur à 3.5.



EN Tool maintenance can vary the original working deflection of the springs. Always check and re-set the original working stroke. Failure to do so may result in failures or damages of the tool.

ES Las manutenciones del molde pueden modificar la deflexión de trabajo original de los muelles. Controlar y restablecer siempre las deflexiones iniciales. El no hacerlo puede causar prematuros aflojamiento de los muelles o daños al molde.

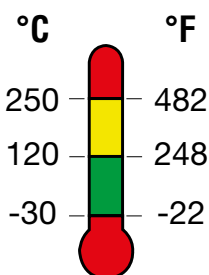
FR Les entretiens sur le moule peuvent modifier la déflexion du travail original des ressorts. Il faut toujours contrôler et rétablir les déflexions originelles. Le défaut de se conformer pouvait résulter en danger ou dommages au moule



EN The presence of scrap or solid debris between the coils can cause a reduction of spring deflection, early failure, and damage to the tool. Check and remove scrap and debris.

ES La presencia de cuerpos extraños entre las espiras de los muelles provoca reducciones de carrera, sobrecargas y rupturas de los muelles con daños al molde. Siempre buscar y eliminar estos organismos.

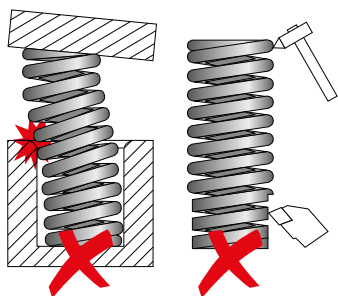
FR La présence de corps étrangers entre les spires des ressorts provoque des réductions de course, des surcharges et des ruptures des ressorts avec des dommages au moule. Contrôler et éliminer ces corps étrangers.



EN In the temperature range of 248 to 482°F (120 to 250°C) consider a loss between 1 to 2% of the load every 104°F (40°C).

ES En el rango de temperatura de 248 hasta 482°F (de 120 hasta 250°C) considerará una pérdida entre 1 y 2% de la carga cada 104°F (40 °C).

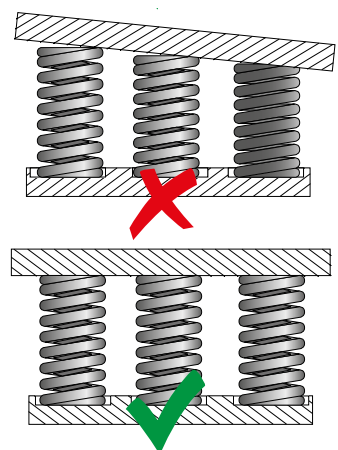
FR Dans la plage de température de 248 à 482°F (de 120 à 250°C), il faut envisager une perte entre 1 et 2% de la charge tous les 104°F (40 °C).



EN Any alteration on the surface of the springs (cutting, grinding, scratches) may significantly reduce the lifetime. Always replace the damaged springs.

ES Cualquier daño sobre la superficie de los muelles (cortes, abrasiones, amoladuras) puede reducir significativamente la duración. Sustituir siempre los muelles dañados.

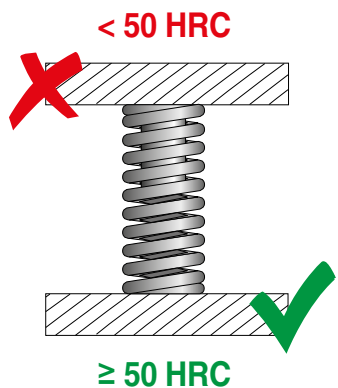
FR Tout dommage sur la surface des ressort (coupures, abrasions, meulages) peut réduire significativement la durée. Il faut toujours remplacer les ressorts endommagés.



EN Schedule regular maintenance and replace worn or damaged springs. An unbalanced load is detrimental to the spring life.

ES Programar un mantenimiento regular y reemplace los muelles desgastados o dañados. Una carga desequilibrada es perjudicial para la vida del muelle.

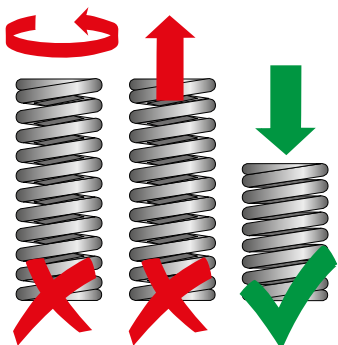
FR Planifiez un entretien régulier et remplacez les ressorts usés ou endommagés. Une charge déséquilibrée nuit à la durée de vie du ressort.



EN The springs are made from hardened alloy steel. The material of surfaces in contact with the springs shall feature adequate hardness to prevent wear and abrasion.

ES Los muelles están hechos con acero de aleación endurecido. El material de las superficies en contacto con los muelles debe presentar una dureza adecuada para evitar el desgaste y la abrasión.

FR Les ressorts sont fabriqués en acier allié durci. Le matériau des surfaces en contact avec les ressorts doit présenter une dureté suffisante pour éviter l'usure et l'abrasion.



EN Do not apply forces other than in compression direction. Using of compression springs as traction or torsion springs is cause of deformation and sudden failure. The improper use of springs may bring to unforeseen accidents with damage and injury.

ES No aplicar fuerzas que no sean de compresión. Utilizar los muelles en tracción o torsión es causa de deformación y rotura. El uso inadecuado de los muelles puede comportar incidentes imprevisibles con daños a cosas y personas.

FR N'appliquez les forces que pour la compression. Utilisation de ressorts de compression en traction ou torsion est la cause de déformation et de panne instantanée. L'utilisation inadéquate des ressorts peut causer des accidents imprévus avec des dégâts et provoquer des blessures



EN Avoid storage of springs in the fully compressed position for long periods. Protect the springs from corrosive agents to prevent oxidation and early failures. Always replace rusty springs.

ES Evitar el almacenamiento de los muelles en posición completamente comprimida por largos periodos de tiempo. Proteger los muelles de agentes corrosivos para evitar oxidación y roturas prematuras. Sustituir siempre los muelles que presenten oxidación.

FR Evitez de stocker les ressorts dans la position complètement comprimée pendant de longues périodes. Protéger les ressorts des agents corrosifs pour empêcher l'oxydation et une défaillance prématurée. Toujours remplacer les ressorts qui ont la rouille.



EN The compliance with RoHs and the material used allow to dispose springs as regular metal scrap.

ES La conformidad con la directiva RoHs y los materiales utilizados permiten desechar los muelles como chatarra metálica normal.

FR La conformité de RoHs et du matériel utilisé permet de céder les ressorts comme déchets métalliques.



HOW TO ORDER

PAINTED SPRINGS

Example:



Series
Dh
L0
Quantity
RXHG38-064 (25 pcs)

UNPAINTED SPRINGS

Example:



Series
Dh
L0
Unpainted
Quantity
RXHG38-064U (25 pcs)

HOW TO CHECK SPRING RATE (R)

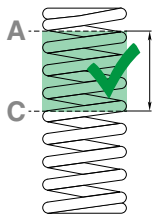


R $\pm 10\%$
Spring
rate

EN Spring rate (*lbs./1 inch* - N/mm) is the load required in *lbs* - N to deflect a spring by *0.04 inch* - 1 mm.

ES La constante (*lbs./1 inch* - N/mm) de los muelles es la carga requerida en *lbs* - N para comprimir un muelle *0.04 inch* - 1 mm.

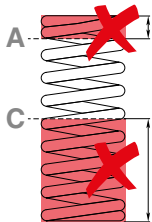
FR La constante (*lbs./1 inch* - N/mm) ressort est la charge requise en *lbs* - N pour comprimer le ressort de *0.04 inch* - 1 mm.



EN Spring rate is verified considering the force values as stated in columns A and C.

ES La rigidez de los muelles se verifica considerando los valores de fuerza indicados en las columnas A y C.

FR La raideur de ressorts fil est vérifiée en considérant les valeurs de force indiquées dans les colonnes A et C.



EN Spring rate, when verified outside the indicated range of values, may result out of the $\pm 10\%$ tolerance.

ES La rigidez de los muelles, cuando se verifica fuera del rango de valores indicado, puede resultar fuera de la tolerancia de $\pm 10\%$.

FR La raideur des ressorts fil, lorsqu'elle est vérifiée en dehors de la plage de valeurs indiquée, peut résulter hors de la tolérance de $\pm 10\%$.

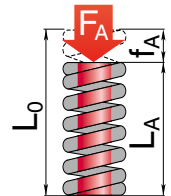
RMHR26-025

Calculation example - Ejemplo de cálculo - Exemple de calcul

- EN** Deflect the spring to $f_A = 0.2 \text{ inch}$ - 5.1 mm (col. A) in relation to nominal length L_0 and then measure the force F_A (*lbs* - N)

ES Flexionar el muelle a una $f_A = 0.2 \text{ inch}$ - 5.1 mm (col. A) en relación con la longitud nominal L_0 y luego medir la fuerza F_A (*lbs* - N)

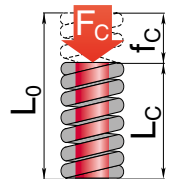
FR Défléchir le ressort fil à $f_A = 0.2 \text{ inch}$ - 5.1 mm (col. A) par rapport à la longueur nominale L_0 et puis mesurer la force F_A (*lbs* - N)



- EN** Deflect the spring to $f_C = 0.3 \text{ inch}$ - 7.6 mm (col. C) in relation to nominal length L_0 and measure the force F_C (*lbs* - N)

ES Flexionar el muelle a una $f_C = 0.3 \text{ inch}$ - 7.6 mm (col. C) en relación con la longitud nominal L_0 y luego mida la fuerza F_C (*lbs* - N)

FR Défléchir le ressort fil à $f_C = 0.3 \text{ inch}$ - 7.6 mm (col. C) par rapport à la longueur nominale L_0 et puis mesurer la force F_C (*lbs* - N)



- EN** Calculate the spring rate R by the following formula:

ES Calcular la constante R con la siguiente fórmula:

FR Calculer la constante ressort R par la formule suivante:

$$R = 0.1 \cdot (F_C - F_A) / (f_C - f_A) [\text{lbs./1 inch}]$$

$$R = (F_C - F_A) / (f_C - f_A) [\text{N/mm}]$$

- EN** The R value as resulted at point ③ shall correspond to the one stated in the catalog.

ES El valor R como resultado en el punto ③ debe corresponder al valor indicado en el catálogo.

FR La valeur R indiquée au point ③ doit correspondre à celle indiquée dans le catalogue.

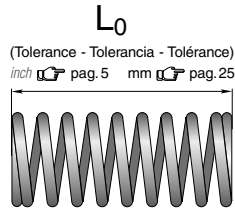
$$R = 82.7 \text{ lbs./1 inch} \pm 10\%$$

$$R = 144.8 \text{ N/mm} \pm 10\%$$

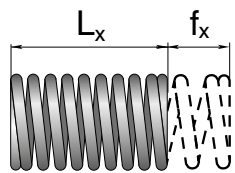
$$F_x = R \cdot f_x$$

Force at L_x

EN The spring force F_x at given deflection f_x is the result of the spring rate and the deflection value. It may be influenced by the tolerances of spring rate R and free length L_0 . Calculation is correct only when using deflection values in the range of columns A and C.



ES La fuerza de los muelles F_x a la deflexión dada f_x es el resultado de la rigidez de los muelles y el valor de deflexión. Puede estar influenciado por las tolerancias de la rigidez de muelles R y la longitud libre L_0 . El cálculo es correcto solo cuando se usan valores de deflexión en el rango de las columnas A y C.



FR La force des ressorts F_x à une déflexion donnée f_x est le résultat de la raideur et de la valeur de la déflexion. Il peut être influencé par les tolérances de la raideur R et de la longueur libre L_0 . Le calcul n'est correct que lors de l'utilisation de valeurs de déflexion dans la plage des colonnes A et C.

RMHR32-076

Calculation example - Ejemplo de cálculo - Exemple de calcul

- 1 EN** For a better understanding, the example below shows the calculation of the nominal value of force and the min and max values possible for the spring RMHR 32-076 at a given length L_x of 2.25 inch - 57.1 mm as follows:

ES Para una mejor comprensión, calculamos el valor nominal de fuerza y los valores mínimo y máximo admitidos para el muelle RMHR 32-076 con L_x de 2.25 inch - 57.1 mm como sigue:

FR Pour une meilleure compréhension, nous calculons la valeur nominale de la force et les valeurs min et max admises du ressort RMHR 32-076 à une longueur donnée L_x de 2.25 inch - 57.1 mm comme suit:

$R = 51.2 \text{ lbs./1 inch} \pm 10\%$

$R_{\min} = 46.1 \text{ lbs./1 inch}$

$R_{\max} = 56.3 \text{ lbs./1 inch}$

$L_0 = 3^{+0.125}_{-0} \text{ inch}$

$L_{0 \min} = 3 \text{ inch}$

$L_{0 \max} = 3.125 \text{ inch}$

$R = 89.7 \text{ N/mm} \pm 10\%$

$R_{\min} = 80.7 \text{ N/mm}$

$R_{\max} = 98.7 \text{ N/mm}$

$L_0 = 76.2^{+3.2}_{-0} \text{ mm}$

$L_{0 \min} = 76.2 \text{ mm}$

$L_{0 \max} = 79.4 \text{ mm}$

L_0 (Tolerance - Tolerancia - Tolérance)
inch  pag. 5 mm  pag. 25
- 2 EN** Nominal value of force ($F_{x \text{ nom}}$) will be:

ES El valor nominal de fuerza ($F_{x \text{ nom}}$) será:

FR La valeur nominale de la force ($F_{x \text{ nom}}$) sera:

$F_{x \text{ nom}} = (R \cdot 10) \cdot (L_0 - L_x)$

$F_{x \text{ nom}} = (51.2 \cdot 10) \cdot (3 - 2.25)$

$F_{x \text{ nom}} = 384 \text{ lbs}$

$F_{x \text{ nom}} = R \cdot (L_0 - L_x)$

$F_{x \text{ nom}} = 89.7 \cdot (76.2 - 57.1)$

$F_{x \text{ nom}} = 1713 \text{ N}$
- 3 EN** Min value of force ($F_{x \text{ min}}$) will be:

ES El valor mínimo de fuerza ($F_{x \text{ min}}$) será:

FR La valeur min de force ($F_{x \text{ min}}$) sera:

$F_{x \text{ min}} = (R_{\min} \cdot 10) \cdot (L_{0 \min} - L_x)$

$F_{x \text{ min}} = (46.1 \cdot 10) \cdot (3 - 2.25)$

$F_{x \text{ min}} = 345.8 \text{ lbs}$

$F_{x \text{ min}} = R_{\min} \cdot (L_{0 \min} - L_x)$

$F_{x \text{ min}} = 80.7 \cdot (76.2 - 57.1)$

$F_{x \text{ min}} = 1675.1 \text{ N}$
- 4 EN** Max value of force ($F_{x \text{ max}}$) will be:

ES El valor máximo de fuerza ($F_{x \text{ max}}$) será:

FR La valeur max value de force ($F_{x \text{ max}}$) sera:

$F_{x \text{ max}} = (R_{\max} \cdot 10) \cdot (L_{0 \max} - L_x)$

$F_{x \text{ max}} = (56.3 \cdot 10) \cdot (3.125 - 2.25)$

$F_{x \text{ max}} = 492.6 \text{ lbs}$

$F_{x \text{ max}} = R_{\max} \cdot (L_{0 \max} - L_x)$

$F_{x \text{ max}} = 98.7 \cdot (79.4 - 57.1)$

$F_{x \text{ max}} = 2201 \text{ N}$

HOW TO SELECT SPRINGS



1 EN For a quick selection of the spring, you are requested to define estimated life, hole diameter, total force and total working deflection including at least 5% pre-load.

ES Para una selección rápida del resorte, se le solicita que defina la vida útil estimada, el diámetro del agujero de alojamiento, la fuerza total y la deflexión total de trabajo, incluida al menos el 5% de precarga.

FR Pour une sélection rapide du ressort, vous devez définir la durée de vie estimée, le diamètre du trou de logement, la force totale et la déflexion de travail totale compris une précharge d'au moins 5%.

2 EN Find the estimated life and the hole diameter DH as stated in chart at page 13.

ES Encontrar la vida estimada y el diámetro del agujero de alojamiento DH como se indica en la tabla en la página 13.

FR Trouvez la durée de vie estimée et le diamètre du trou de logement DH comme indiqué dans le tableau à la page 13.

Estimated Life	DH - Hole diameter (inch - mm)					
	3/8 - 9.53	1/2 - 12.70	5/8 - 15.88	3/4 - 19.05	1 - 25.4	1 1/4 - 31.75
For Optimum Life	Load (lbs - N)					
	16 - 71	26 - 114	42 - 188	75 - 334	128 - 571	261 - 1162
	19 - 84	29 - 131	59 - 263	91 - 407	158 - 705	1372 - 308
	19 - 83	33 - 146	63 - 279	152 - 678	250 - 1111	1858 - 418
	28 - 126	44 - 194	84 - 373	188 - 837	335 - 1492	2464 - 554
						1111 - 4942

3 EN Check the available forces as stated in chart at page 13.

ES Verificar las fuerzas disponibles como se indica en la tabla en la página 13.

FR Vérifiez les forces disponibles comme indiqué dans le tableau à la page 13.

Estimated Life	DH - Hole diameter (inch - mm)					
	3/8 - 9.53	1/2 - 12.70	5/8 - 15.88	3/4 - 19.05	1 - 25.4	1 1/4 - 31.75
For Optimum Life	Load (lbs - N)					
	16 - 71	26 - 114	42 - 188	75 - 334	128 - 571	261 - 1162
	19 - 84	29 - 131	59 - 263	91 - 407	158 - 705	1372 - 308
	19 - 83	33 - 146	63 - 279	152 - 678	250 - 1111	1858 - 418
	28 - 126	44 - 194	84 - 373	188 - 837	335 - 1492	2464 - 554
						1111 - 4942

4 EN Select the requested force and the corresponding Series as stated in chart at page 13.

ES Seleccionar la fuerza solicitada y la serie correspondiente como se indica en la tabla en la página 13.

FR Sélectionnez la force demandée et la série correspondante comme indiqué dans le tableau de la page 13.

Estimated Life	DH - Hole diameter (inch - mm)						Series
	3/8 - 9.53	1/2 - 12.70	5/8 - 15.88	3/4 - 19.05	1 - 25.4	1 1/4 - 31.75	
For Optimum Life	Load (lbs - N)						
	16 - 71	26 - 114	42 - 188	75 - 334	128 - 571	261 - 1162	
	19 - 84	29 - 131	59 - 263	91 - 407	158 - 705	1372 - 308	RMRI
	19 - 83	33 - 146	63 - 279	152 - 678	250 - 1111	1858 - 418	RMHR
	28 - 126	44 - 194	84 - 373	188 - 837	335 - 1492	2464 - 554	RMGO
							RXHG

5 EN Choose the requested deflection in the selected Series.

ES Elegir la deflexión solicitada en la Serie seleccionada.

FR Choisissez la déflexion demandée dans la série sélectionnée.

see Series pages - vea las paginas de la serie - voir les pages de la série

Part number	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring rate	A 20% L ₀	B 25% L ₀	C 30% L ₀	D 37% L ₀	BOX
	inch	inch	inch	lbs./in. $\pm 10\%$	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection	Pcs
RMHR10-025			1	8.4	0.16	0.25	0.30	0.37	200
RMHR10-032			1 1/4	7.3	0.25	0.31	0.28	0.46	200
RMHR10-038			1 1/2	6.7	0.30	0.21	0.38	0.56	100
RMHR10-044			1 3/4	5.8	0.35	0.20	0.44	0.65	100
RMHR10-051			2	5.0	0.40	0.20	0.50	0.74	100
RMHR10-064			2 1/2	3.7	0.50	0.15	0.63	0.93	100
RMHR10-076			3	3.0	0.60	0.10	0.75	1.11	100
RMHR10-305	3/8	3/16	12	0.8	2.40	3.00	3.60	4.44	50

6 EN Once chosen the deflection, select the spring's part number.

ES Una vez elegida la deflexión, seleccionar el código del muelle.

FR Une fois choisie la déflexion, sélectionnez le part number du ressort fil.

see Series pages - vea las paginas de la serie - voir les pages de la série

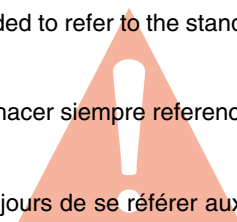
Part number	D _H	D _d	L ₀	R	A	B	C	D	BOX			
	Hole Diameter	Rod Diameter	Free Length	Spring rate	20% L ₀	25% L ₀	30% L ₀	37% L ₀				
	inch	inch	inch	± 10% lbs./in. inch	For Optimum Life inch lbs	For Long Life inch lbs	Max. Operating Def. inch lbs	Max. Deflection inch lbs				
RMHR10-025			1	8.4	0.20	16.8	0.25	21.0	0.30	25.2	0.37	200
RMHR10-032			1 1/4	7.3	0.25	18.3	0.31	22.8	0.38	27.4	0.46	200
RMHR10-038			1 1/2	6.7	0.30	20.1	0.38	25.1	0.45	30.2	0.56	100
RMHR10-044			1 3/4	5.8	0.35	20.3	0.44	25.4	0.53	30.5	0.65	100
RMHR10-051			2	5.0	0.40	20.0	0.50	25.0	0.60	30.0	0.74	100
RMHR10-064			2 1/2	3.7	0.50	18.5	0.63	23.3	0.75	27.8	0.93	100
RMHR10-076			3	3.0	0.60	18.0	0.75	22.5	0.90	27.0	1.11	100
RMHR10-305			12	0.8	2.40	19.2	3.00	24.0	3.60	28.8	4.44	50

Estimated Life	DH - Hole diameter (inch - mm)									Series
	3/8 - 9.53	1/2 - 12.70	5/8 - 15.88	3/4 - 19.05	1 - 25.40	1 1/4 - 31.75	1 1/2 - 38.10	2 - 50.80	2 1/2 - 63	
For Optimum Life	Load (lbs - N)									
	16 - 71	26 - 114	42 - 188	75 - 334	128 - 571	180 - 799	261 - 1162	581 - 2586	738 - 3284	
	19 - 84	29 - 131	59 - 263	91 - 407	158 - 705	308 - 1372	369 - 1643	539 - 2398	981 - 4365	
	19 - 83	33 - 146	63 - 279	152 - 678	250 - 1111	418 - 1858	553 - 2459	889 - 3953	-	
	28 - 126	44 - 194	84 - 373	188 - 837	335 - 1492	554 - 2464	1111 - 4942	1367 - 6082	-	
For Long Life	Load (lbs - N)									
	22 - 100	36 - 159	59 - 261	105 - 468	180 - 799	252 - 1119	366 - 1627	814 - 3620	1033 - 4597	
	24 - 105	37 - 164	74 - 329	115 - 510	199 - 883	614 - 2733	463 - 2058	674 - 3000	1227 - 5460	
	25 - 110	44 - 194	83 - 370	202 - 900	332 - 1475	555 - 2469	735 - 3269	1181 - 5254	-	
	32 - 143	49 - 220	95 - 422	213 - 947	379 - 1688	629 - 2796	1259 - 5599	1549 - 6889	-	
Max. Operating Deflection	Load (lbs - N)									
	26 - 114	41 - 182	68 - 301	120 - 535	201 - 895	288 - 1279	418 - 1859	930 - 4138	1181 - 5254	
	28 - 126	44 - 197	89 - 395	137 - 611	238 - 1057	463 - 2058	554 - 2465	809 - 3597	1472 - 6550	
	31 - 139	55 - 243	104 - 464	254 - 1128	415 - 1847	696 - 3095	920 - 4093	1479 - 6580	-	
	38 - 167	58 - 258	110 - 488	250 - 1110	428 - 1904	722 - 3211	1461 - 6499	1796 - 7988	-	

EN The selecting guideline is an approximate method of spring selection. It is always recommended to refer to the standard tabs before using the spring.

ES El método indicado para la selección de los muelles es aproximativo. Por eso aconsejamos hacer siempre referencia a las tablas para la selección.

FR La méthode indiquée pour la sélection des ressorts est approximative. Nous conseillons toujours de se référer aux tableaux pour la sélection.



HOW TO READ THE CATALOG



SAMPLE PAGE

1

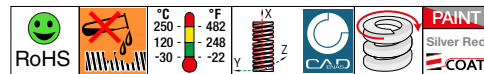
RMHR US SERIES

THE SPRING WITH *the Stripe* 

EN Medium heavy duty die springs
Silver-red color

ES Muelles carga medio-fuerte
Color plateado-rojo

FR Ressorts charge moyenne-forte
Couleur argent-rouge



3

4

6

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11

12

Part number	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring Rate ± 10%	A 20% L ₀ For Optimum Life	B 25% L ₀ For Long Life	C 30% L ₀ Max. Operating Def.	D* 37% L ₀ Max. Deflection	BOX ↓ Pcs
	inch	inch	inch	lbs./1 inch	inch	inch	inch	inch	

5

7

RMHR10-025	3/8	3/16	1	8.4	0.20	16.8	0.25	21.0	0.30	25.2	0.37	200
RMHR10-032			1 1/4	7.3	0.25	18.3	0.31	22.8	0.38	27.4	0.46	200
RMHR10-038			1 1/2	6.7	0.30	20.1	0.38	25.1	0.45	30.2	0.56	100
RMHR10-044			1 3/4	5.8	0.35	20.3	0.44	25.4	0.53	30.5	0.65	100
RMHR10-051			2	5.0	0.40	20.0	0.50	25.0	0.60	30.0	0.74	100
RMHR10-064			2 1/2	3.7	0.50	18.5	0.63	23.3	0.75	27.8	0.93	100
RMHR10-076			3	3.0	0.60	18.0	0.75	22.5	0.90	27.0	1.11	100
RMHR10-305			12	0.8	2.40	19.2	3.00	24.0	3.60	28.8	4.44	50
RMHR13-025	1/2	9/32	1	15.5	0.20	31.0	0.25	38.8	0.30	46.5	0.37	100
RMHR13-032			1 1/4	12.2	0.25	30.5	0.31	37.8	0.38	45.8	0.46	100
RMHR13-038			1 1/2	9.8	0.30	29.4	0.38	37.2	0.45	44.1	0.56	100
RMHR13-044			1 3/4	8.5	0.35	29.8	0.44	37.2	0.53	44.6	0.65	100
RMHR13-051			2	7.5	0.40	30.0	0.50	37.5	0.60	45.0	0.74	100
RMHR13-064			2 1/2	6.0	0.50	30.0	0.63	37.5	0.75	45.0	0.93	50
RMHR13-076			3	5.1	0.60	30.6	0.75	38.3	0.90	45.9	1.11	50
RMHR13-089			3 1/2	4.0	0.70	28.0	0.88	35.0	1.05	42.0	1.30	50
RMHR13-102			4	3.7	0.80	29.0	1.00	37.0	1.20	44.0	1.48	50
RMHR13-305			12	1.1	2.40	26.4	3.00	33.0	3.60	39.6	4.44	50
RMHR16-025	5/8	11/32	1	30.0	0.20	60.0	0.25	75.0	0.30	90.0	0.37	100
RMHR16-032			1 1/4	21.5	0.25	53.8	0.31	67.2	0.38	80.6	0.46	100
RMHR16-038			1 1/2	19.0	0.30	57.0	0.38	71.3	0.45	85.5	0.56	100
RMHR16-044			1 3/4	16.8	0.35	58.8	0.44	73.5	0.53	88.2	0.65	50
RMHR16-051			2	15.5	0.40	62.0	0.50	77.5	0.60	93.0	0.74	50
RMHR16-064			2 1/2	11.5	0.50	57.5	0.63	71.9	0.75	86.3	0.93	50
RMHR16-076			3	10.0	0.60	60.0	0.75	75.0	0.90	90.0	1.11	50
RMHR16-089			3 1/2	8.5	0.70	59.5	0.88	74.4	1.05	89.3	1.30	50
RMHR16-102			4	7.6	0.80	60.8	1.00	76.0	1.20	91.2	1.48	50
RMHR16-115			4 1/2	6.6	0.90	62.0	1.13	74.0	1.35	89.0	1.67	50
RMHR16-305			12	2.6	2.40	62.4	3.00	78.0	3.60	93.6	4.44	50

*Deflection values near solid intended for design information ONLY.

The color silver-red is a registered trademark of Special Springs Srl.

Special Springs **18** - 020

Load (lbs) = R (lbs./1 inch) x 10 x Deflection (inch) 1 lbs = 4.448 N

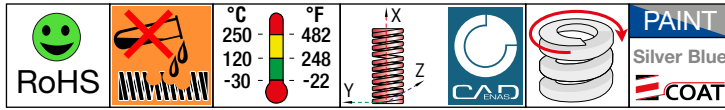
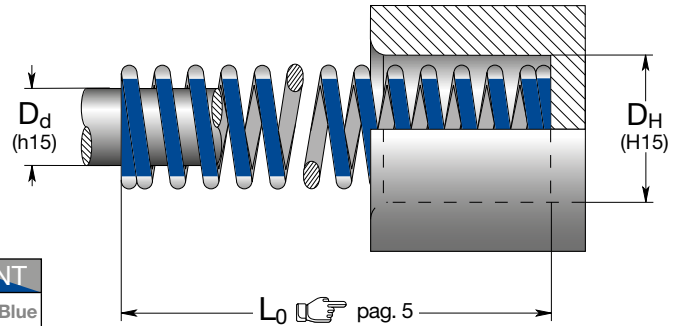
13

1 Series Serie Série	2 Standards Estándares Standards
3 Part number Código Référence	4 Hole diameter Diámetro del agujero de alojamiento Diamètre du trou de logement
5 Rod diameter Diámetro de la clavija de guía Diamètre de l'arbre de guidage	6 Spring free length Longitud libre del muelle Longueur libre du ressort
7 Spring Rate (<i>lbs./1 inch</i> - N/mm) - load required to deflect by <i>0.04 inch</i> - 1mm Carga (<i>lbs./1 inch</i> - N/mm) necesaria para desviar el muelle de <i>0.04 inch</i> - 1mm Charge (<i>lbs./1 inch</i> - N/mm) exigée pour comprimer le ressort <i>0.04 inch</i> - 1mm	
8 Recommended maximum working deflection for optimum life Deflexión máxima de trabajo recomendada para una duración óptima Déflexion maximale de travail recommandée pour une durée de vie optimale	
9 Recommended maximum working deflection for long life Deflexión máxima de trabajo recomendada para una larga duración Déflexion maximale de travail recommandée pour une longue durée de vie	
10 Maximum operating deflection. Do not exceed this value Deflexión máxima de trabajo. No se debe exceder este valor Déflexion maximale de travail. Ne pas dépasser cette valeur	
11 Deflection values near solid are intended for design information ONLY Los valores de deflexión por muelle a bloque están destinados SOLAMENTE a información de diseño Les valeurs de déflexion pour ressort à bloc sont fournies UNIQUEMENT à titre de renseignements techniques	
12 Quantity for standard packaging Número de piezas por confección Nombre de pièces par boîte	13 Page review index Índice de revisión de página Index de revue de page

EN Medium duty die springs
Silver-blue color

ES Muelles carga mediana
Color plateado-azul

FR Ressort charge moyenne
Couleur Argent-bleu



Part number	D _H	D _d	L ₀	R	A		B		C		D*		BOX ↓ 
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	 25% L ₀	 35% L ₀	 40% L ₀	50% L ₀					
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection					
	inch	inch	inch	lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	Pcs	
RMBL10-025	3/8	3/16	1	6.0	0.25	15.0	0.35	21.0	0.40	24.0	0.50	200	
RMBL10-032			1 1/4	5.0	0.31	15.6	0.44	21.9	0.50	25.0	0.63	200	
RMBL10-038			1 1/2	4.2	0.38	15.8	0.53	22.1	0.60	25.2	0.75	100	
RMBL10-044			1 3/4	3.7	0.44	16.2	0.61	22.7	0.70	25.9	0.88	100	
RMBL10-051			2	3.1	0.50	15.5	0.70	21.7	0.80	24.8	1.00	100	
RMBL10-064			2 1/2	2.6	0.63	16.3	0.88	22.8	1.00	26.0	1.25	100	
RMBL10-076			3	2.1	0.75	15.8	1.05	22.0	1.20	25.2	1.50	100	
RMBL10-305			12	0.6	3.00	18.0	4.20	25.2	4.80	28.8	6.00	50	
RMBL13-025	1/2	9/32	1	11.0	0.25	27.5	0.35	38.5	0.40	44.0	0.50	100	
RMBL13-032			1 1/4	8.2	0.31	25.6	0.44	35.9	0.50	41.0	0.63	100	
RMBL13-038			1 1/2	6.8	0.38	25.5	0.53	35.7	0.60	40.8	0.75	100	
RMBL13-044			1 3/4	6.0	0.44	26.3	0.61	36.8	0.70	42.0	0.88	100	
RMBL13-051			2	5.5	0.50	27.5	0.70	38.5	0.80	44.0	1.00	100	
RMBL13-064			2 1/2	4.5	0.63	28.1	0.88	39.4	1.00	45.0	1.25	50	
RMBL13-076			3	3.5	0.75	26.3	1.05	36.8	1.20	42.0	1.50	50	
RMBL13-089			3 1/2	3.0	0.88	26.3	1.23	36.8	1.40	42.0	1.75	50	
RMBL13-102			4	2.6	1.00	26.0	1.40	36.0	1.60	41.0	2.00	50	
RMBL13-115			4 1/2	2.3	1.13	25.9	1.58	36.2	1.80	41.4	2.25	50	
RMBL13-140			5 1/2	2.0	1.38	27.5	1.93	38.5	2.20	44.0	2.75	50	
RMBL13-165			6 1/2	1.4	1.63	22.8	2.28	31.9	2.60	36.4	3.25	50	
RMBL13-190			7 1/2	1.2	1.88	22.5	2.63	31.5	3.00	36.0	3.75	50	
RMBL13-305			12	0.7	3.00	21.0	4.20	29.4	4.80	33.6	6.00	50	
RMBL16-025	5/8	11/32	1	16.4	0.25	41.0	0.35	57.4	0.40	65.6	0.50	100	
RMBL16-032			1 1/4	12.4	0.31	38.8	0.44	54.3	0.50	62.0	0.63	100	
RMBL16-038			1 1/2	10.8	0.38	40.5	0.53	56.7	0.60	64.8	0.75	100	
RMBL16-044			1 3/4	9.6	0.44	42.0	0.61	58.8	0.70	67.2	0.88	50	
RMBL16-051			2	8.6	0.50	43.0	0.70	60.2	0.80	68.8	1.00	50	
RMBL16-064			2 1/2	6.5	0.63	40.6	0.88	56.9	1.00	65.0	1.25	50	
RMBL16-076			3	5.8	0.75	43.5	1.05	60.9	1.20	69.6	1.50	50	
RMBL16-089			3 1/2	5.0	0.88	43.8	1.23	61.3	1.40	70.0	1.75	50	
RMBL16-102			4	4.4	1.00	44.0	1.40	61.6	1.60	70.4	2.00	50	
RMBL16-115			4 1/2	3.8	1.13	43.0	1.57	60.0	1.80	69.0	2.25	50	
RMBL16-305			12	1.5	3.00	45.0	4.20	63.0	4.80	72.0	6.00	50	
RMBL19-025	3/4	3/8	1	32.0	0.25	80.0	0.35	112.0	0.40	128.0	0.50	50	
RMBL19-032			1 1/4	25.6	0.31	80.0	0.44	112.0	0.50	128.0	0.63	50	
RMBL19-038			1 1/2	20.0	0.38	75.0	0.53	105.0	0.60	120.0	0.75	50	
RMBL19-044			1 3/4	17.6	0.44	77.0	0.61	107.8	0.70	123.2	0.88	50	
RMBL19-051			2	15.0	0.50	75.0	0.70	105.0	0.80	120.0	1.00	50	
RMBL19-064			2 1/2	12.0	0.63	75.0	0.88	105.0	1.00	120.0	1.25	50	
RMBL19-076			3	10.1	0.75	75.8	1.05	106.1	1.20	121.2	1.50	50	
RMBL19-089			3 1/2	8.3	0.88	72.6	1.23	101.7	1.40	116.2	1.75	50	
RMBL19-102			4	7.5	1.00	75.0	1.40	105.0	1.60	120.0	2.00	50	
RMBL19-115			4 1/2	6.4	1.13	72.0	1.58	100.8	1.80	115.2	2.25	50	
RMBL19-127			5	6.0	1.25	75.0	1.75	105.0	2.00	120.0	2.50	50	
RMBL19-140			5 1/2	5.5	1.38	75.6	1.93	105.9	2.20	121.0	2.75	50	
RMBL19-152			6	5.0	1.50	75.0	2.10	105.0	2.40	120.0	3.00	50	
RMBL19-165			6 1/2	4.7	1.63	76.4	2.28	106.9	2.60	122.2	3.25	50	
RMBL19-190			7 1/2	3.8	1.88	71.3	2.63	99.8	3.00	114.0	3.75	50	
RMBL19-305			12	2.4	3.00	72.0	4.20	100.8	4.80	115.2	6.00	50	

*Deflection values near solid intended for design information ONLY.

The color silver-blue is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R	A		B		C		D*		BOX
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	25% L ₀		35% L ₀		40% L ₀		50% L ₀		↓
	inch	inch	inch	± 10% lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	lbs	Pcs
RMBL26-025	1	1/2	1	55.0	0.25	137.5	0.35	192.5	0.40	220.0	0.50	250.0	50
RMBL26-032			1 1/4	45.0	0.31	140.6	0.44	196.9	0.50	225.0	0.63	262.5	50
RMBL26-038			1 1/2	37.3	0.38	139.9	0.53	195.8	0.60	223.8	0.75	273.8	50
RMBL26-044			1 3/4	32.0	0.44	140.0	0.61	196.0	0.70	224.0	0.88	288.0	50
RMBL26-051			2	26.8	0.50	134.0	0.70	187.6	0.80	214.4	1.00	250.0	50
RMBL26-064			2 1/2	20.9	0.63	130.6	0.88	182.9	1.00	209.0	1.25	250.0	50
RMBL26-076			3	17.1	0.75	128.3	1.05	179.6	1.20	205.2	1.50	250.0	25
RMBL26-089			3 1/2	14.5	0.88	126.9	1.23	177.6	1.40	203.0	1.75	250.0	25
RMBL26-102			4	12.5	1.00	125.0	1.40	175.0	1.60	200.0	2.00	250.0	25
RMBL26-115			4 1/2	11.0	1.13	123.8	1.58	173.3	1.80	198.0	2.25	250.0	25
RMBL26-127			5	9.6	1.25	120.0	1.75	168.0	2.00	192.0	2.50	250.0	25
RMBL26-140			5 1/2	8.8	1.38	121.0	1.93	169.4	2.20	193.6	2.75	250.0	25
RMBL26-152			6	8.0	1.50	120.0	2.10	168.0	2.40	192.0	3.00	250.0	25
RMBL26-178			7	7.2	1.75	126.0	2.45	176.4	2.80	201.6	3.50	250.0	25
RMBL26-203			8	6.0	2.00	120.0	2.80	168.0	3.20	192.0	4.00	250.0	25
RMBL26-305			12	4.0	3.00	120.0	4.20	168.0	4.80	192.0	6.00	250.0	25
RMBL32-038	1 1/4	5/8	1 1/2	49.6	0.38	186.0	0.53	260.4	0.60	297.6	0.75	350.0	50
RMBL32-044			1 3/4	40.6	0.44	177.6	0.61	248.7	0.70	284.2	0.88	350.0	50
RMBL32-051			2	37.6	0.50	188.0	0.70	263.2	0.80	300.8	1.00	350.0	50
RMBL32-064			2 1/2	28.8	0.63	180.0	0.88	252.0	1.00	288.0	1.25	350.0	25
RMBL32-076			3	24.0	0.75	180.0	1.05	252.0	1.20	288.0	1.50	350.0	25
RMBL32-089			3 1/2	20.0	0.88	175.0	1.23	245.0	1.40	280.0	1.75	350.0	25
RMBL32-102			4	17.6	1.00	176.0	1.40	246.4	1.60	281.6	2.00	350.0	25
RMBL32-115			4 1/2	16.0	1.13	180.0	1.58	252.0	1.80	288.0	2.25	350.0	25
RMBL32-127			5	14.3	1.25	178.8	1.75	250.3	2.00	286.0	2.50	350.0	25
RMBL32-140			5 1/2	12.8	1.38	176.0	1.93	246.4	2.20	281.6	2.75	350.0	25
RMBL32-152			6	12.0	1.50	180.0	2.10	252.0	2.40	288.0	3.00	350.0	25
RMBL32-178			7	10.4	1.75	182.0	2.45	254.8	2.80	291.2	3.50	350.0	25
RMBL32-203			8	8.8	2.00	176.0	2.80	246.4	3.20	281.6	4.00	350.0	25
RMBL32-254			10	7.2	2.50	180.0	3.50	252.0	4.00	288.0	5.00	350.0	25
RMBL32-305			12	6.0	3.00	180.0	4.20	252.0	4.80	288.0	6.00	350.0	25
RMBL38-051	1 1/2	3/4	2	53.0	0.50	265.0	0.70	371.0	0.80	424.0	1.00	500.0	25
RMBL38-064			2 1/2	42.7	0.63	266.9	0.88	373.6	1.00	427.0	1.25	500.0	25
RMBL38-076			3	36.0	0.75	270.0	1.05	378.0	1.20	432.0	1.50	500.0	25
RMBL38-089			3 1/2	30.0	0.88	262.5	1.23	367.5	1.40	420.0	1.75	500.0	25
RMBL38-102			4	24.9	1.00	249.0	1.40	348.6	1.60	398.4	2.00	500.0	25
RMBL38-115			4 1/2	23.0	1.13	258.8	1.58	362.3	1.80	414.0	2.25	500.0	25
RMBL38-127			5	21.0	1.25	262.5	1.75	367.5	2.00	420.0	2.50	500.0	25
RMBL38-140			5 1/2	18.5	1.38	254.4	1.93	356.1	2.20	407.0	2.75	500.0	25
RMBL38-152			6	17.0	1.50	255.0	2.10	357.0	2.40	408.0	3.00	500.0	25
RMBL38-178			7	15.3	1.75	267.8	2.45	374.9	2.80	428.4	3.50	500.0	25
RMBL38-203			8	13.2	2.00	264.0	2.80	369.6	3.20	422.4	4.00	500.0	25
RMBL38-254			10	10.6	2.50	265.0	3.50	371.0	4.00	424.0	5.00	500.0	25
RMBL38-305			12	8.5	3.00	255.0	4.20	357.0	4.80	408.0	6.00	500.0	25
RMBL51-064	2	1	2 1/2	100.0	0.63	625.0	0.88	875.0	1.00	1000.0	1.25	1250.0	25
RMBL51-076			3	83.0	0.75	622.5	1.05	871.5	1.20	996.0	1.50	1250.0	25
RMBL51-089			3 1/2	67.7	0.88	592.4	1.23	829.3	1.40	947.8	1.75	1250.0	25
RMBL51-102			4	60.0	1.00	600.0	1.40	840.0	1.60	960.0	2.00	1250.0	25
RMBL51-115			4 1/2	53.0	1.13	596.3	1.58	834.8	1.80	954.0	2.25	1250.0	25
RMBL51-127			5	47.0	1.25	587.5	1.75	822.5	2.00	940.0	2.50	1250.0	25
RMBL51-140			5 1/2	40.5	1.38	556.9	1.93	779.6	2.20	891.0	2.75	1250.0	25
RMBL51-152			6	39.0	1.50	585.0	2.10	819.0	2.40	936.0	3.00	1250.0	25
RMBL51-178			7	31.2	1.75	546.0	2.45	764.4	2.80	873.6	3.50	1250.0	25
RMBL51-203			8	28.5	2.00	570.0	2.80	798.0	3.20	912.0	4.00	1250.0	10
RMBL51-254			10	21.6	2.50	540.0	3.50	756.0	4.00	864.0	5.00	1250.0	10
RMBL51-305			12	18.5	3.00	555.0	4.20	777.0	4.80	888.0	6.00	1250.0	10
RMBL63-076	2 1/2	1 1/2	3	108.1	0.75	813.0	1.05	1136.0	1.20	1298.0	1.50	1562.5	15
RMBL63-089			3 1/2	89.6	0.87	783.0	1.22	1097.0	1.40	1256.0	1.75	1562.5	15
RMBL63-102			4	76.2	1.00	762.0	1.40	1068.0	1.60	1218.0	2.00	1562.5	15
RMBL63-115			4 1/2	66.6	1.13	750.0	1.57	1049.0	1.80	1199.0	2.25	1562.5	15
RMBL63-127			5	59.4	1.25	743.0	1.75	1040.0	2.00	1188.0	2.50	1562.5	5
RMBL63-140			5 1/2	53.2	1.37	730.0	1.93	1024.0	2.20	1170.0	2.75	1562.5	5
RMBL63-152			6	48.1	1.50	722.0	2.10	1010.0	2.40	1156.0	3.00	1562.5	5
RMBL63-178			7	41.5	1.75	726.0	2.45	1015.0	2.80	1160.0	3.50	1562.5	5
RMBL63-203			8	35.9	2.00	717.0	2.80	1004.0	3.20	1148.0	4.00	1562.5	5
RMBL63-254			10	26.9	2.50	672.0	3.50	941.0	4.00	1076.0	5.00	1562.5	5
RMBL63-305			12	23.4	3.00	702.0	4.20	984.0	4.80	1124.0	6.00	1562.5	5

The color silver-blue is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

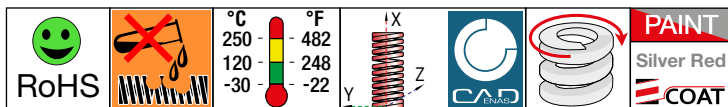
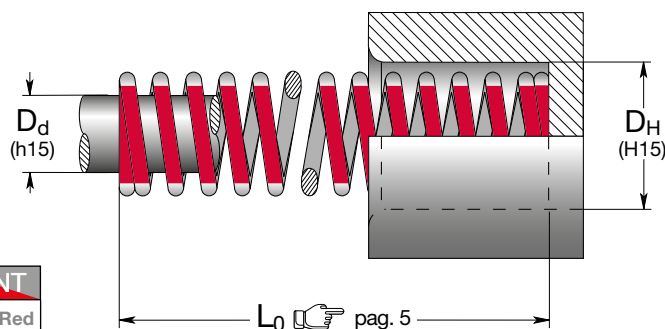
Load (lbs) = R (lbs./1 inch) x 10 x Deflection (inch) 1 lb = 4.448 N

020 - 17 Special Springs

EN Medium heavy duty die springs
Silver-red color

ES Muelles carga medio-fuerte
Color plateado-rojo

FR Ressorts charge moyenne-forte
Couleur argent-rouge



Part number	D _H	D _d	L ₀	R	 A	 B	 C	 D*				
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	20% L ₀	25% L ₀	30% L ₀	37% L ₀				
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection				
	inch	inch	inch	lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	Pcs
RMHR10-025	3/8	3/16	1	8.4	0.20	16.8	0.25	21.0	0.30	25.2	0.37	200
RMHR10-032			1 1/4	7.3	0.25	18.3	0.31	22.8	0.38	27.4	0.46	200
RMHR10-038			1 1/2	6.7	0.30	20.1	0.38	25.1	0.45	30.2	0.56	100
RMHR10-044			1 3/4	5.8	0.35	20.3	0.44	25.4	0.53	30.5	0.65	100
RMHR10-051			2	5.0	0.40	20.0	0.50	25.0	0.60	30.0	0.74	100
RMHR10-064			2 1/2	3.7	0.50	18.5	0.63	23.3	0.75	27.8	0.93	100
RMHR10-076			3	3.0	0.60	18.0	0.75	22.5	0.90	27.0	1.11	100
RMHR10-305			12	0.8	2.40	19.2	3.00	24.0	3.60	28.8	4.44	50
RMHR13-025	1/2	9/32	1	15.5	0.20	31.0	0.25	38.8	0.30	46.5	0.37	100
RMHR13-032			1 1/4	12.2	0.25	30.5	0.31	37.8	0.38	45.8	0.46	100
RMHR13-038			1 1/2	9.8	0.30	29.4	0.38	37.2	0.45	44.1	0.56	100
RMHR13-044			1 3/4	8.5	0.35	29.8	0.44	37.2	0.53	44.6	0.65	100
RMHR13-051			2	7.5	0.40	30.0	0.50	37.5	0.60	45.0	0.74	100
RMHR13-064			2 1/2	6.0	0.50	30.0	0.63	37.5	0.75	45.0	0.93	50
RMHR13-076			3	5.1	0.60	30.6	0.75	38.3	0.90	45.9	1.11	50
RMHR13-089			3 1/2	4.0	0.70	28.0	0.88	35.0	1.05	42.0	1.30	50
RMHR13-102			4	3.7	0.80	29.0	1.00	37.0	1.20	44.0	1.48	50
RMHR13-305			12	1.1	2.40	26.4	3.00	33.0	3.60	39.6	4.44	50
RMHR16-025	5/8	11/32	1	30.0	0.20	60.0	0.25	75.0	0.30	90.0	0.37	100
RMHR16-032			1 1/4	21.5	0.25	53.8	0.31	67.2	0.38	80.6	0.46	100
RMHR16-038			1 1/2	19.0	0.30	57.0	0.38	71.3	0.45	85.5	0.56	100
RMHR16-044			1 3/4	16.8	0.35	58.8	0.44	73.5	0.53	88.2	0.65	50
RMHR16-051			2	15.5	0.40	62.0	0.50	77.5	0.60	93.0	0.74	50
RMHR16-064			2 1/2	11.5	0.50	57.5	0.63	71.9	0.75	86.3	0.93	50
RMHR16-076			3	10.0	0.60	60.0	0.75	75.0	0.90	90.0	1.11	50
RMHR16-089			3 1/2	8.5	0.70	59.5	0.88	74.4	1.05	89.3	1.30	50
RMHR16-102			4	7.6	0.80	60.8	1.00	76.0	1.20	91.2	1.48	50
RMHR16-115			4 1/2	6.6	0.90	59.1	1.13	74.0	1.35	89.0	1.67	50
RMHR16-305			12	2.6	2.40	62.4	3.00	78.0	3.60	93.6	4.44	50
RMHR19-025	3/4	3/8	1	50.0	0.20	100.0	0.25	125.0	0.30	150.0	0.37	50
RMHR19-032			1 1/4	38.0	0.25	95.0	0.31	118.8	0.38	142.5	0.46	50
RMHR19-038			1 1/2	31.0	0.30	93.0	0.38	117.8	0.45	139.5	0.56	50
RMHR19-044			1 3/4	27.0	0.35	94.5	0.44	118.8	0.53	141.8	0.65	50
RMHR19-051			2	24.0	0.40	96.0	0.50	120.0	0.60	144.0	0.74	50
RMHR19-064			2 1/2	18.8	0.50	94.0	0.63	118.4	0.75	141.0	0.93	50
RMHR19-076			3	14.9	0.60	89.4	0.75	111.8	0.90	134.1	1.11	50
RMHR19-089			3 1/2	12.8	0.70	89.6	0.88	112.0	1.05	134.4	1.30	50
RMHR19-102			4	11.0	0.80	88.0	1.00	110.0	1.20	132.0	1.48	50
RMHR19-115			4 1/2	10.0	0.90	90.0	1.13	113.0	1.35	135.0	1.67	50
RMHR19-127			5	9.0	1.00	90.0	1.25	112.5	1.50	135.0	1.85	50
RMHR19-140			5 1/2	8.0	1.10	88.0	1.38	110.0	1.65	132.0	2.04	50
RMHR19-152			6	7.5	1.20	90.0	1.50	112.5	1.80	135.0	2.22	50
RMHR19-305			12	3.5	2.40	84.0	3.00	105.0	3.60	126.0	4.44	50

*Deflection values near solid intended for design information ONLY.

The color silver-red is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R		A		B		C		D*	BOX
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	20% L ₀	25% L ₀	30% L ₀	37% L ₀					
	inch	inch	inch	± 10% lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	lbs	Pcs
RMHR26-025	1	1/2	1	82.7	0.20	165.4	0.25	206.8	0.30	248.1	0.37	299.4	50
RMHR26-032			1 1/4	65.3	0.25	163.3	0.31	202.4	0.38	244.9	0.46	256.1	50
RMHR26-038			1 1/2	53.8	0.30	161.4	0.38	204.4	0.45	242.1	0.56	231.1	50
RMHR26-044			1 3/4	46.1	0.35	161.4	0.44	202.8	0.53	242.0	0.65	216.1	50
RMHR26-051			2	40.0	0.40	160.0	0.50	200.0	0.60	240.0	0.74	201.1	50
RMHR26-064			2 1/2	32.2	0.50	161.0	0.63	202.9	0.75	241.5	0.93	186.1	50
RMHR26-076			3	26.7	0.60	160.2	0.75	200.3	0.90	240.3	1.11	156.1	25
RMHR26-089			3 1/2	22.9	0.70	160.3	0.88	201.5	1.05	240.5	1.30	136.1	25
RMHR26-102			4	20.2	0.80	161.6	1.00	202.0	1.20	242.4	1.48	116.1	25
RMHR26-115			4 1/2	17.8	0.90	160.2	1.13	201.1	1.35	240.3	1.67	96.1	25
RMHR26-127			5	15.7	1.00	157.0	1.25	196.3	1.50	235.5	1.85	76.1	25
RMHR26-140			5 1/2	13.7	1.10	150.7	1.38	189.1	1.65	226.1	2.04	56.1	25
RMHR26-152			6	12.5	1.20	150.0	1.50	187.5	1.80	225.0	2.22	46.1	25
RMHR26-178			7	10.9	1.40	152.6	1.75	190.8	2.10	228.9	2.59	36.1	25
RMHR26-203			8	9.6	1.60	153.6	2.00	192.0	2.40	230.4	2.96	26.1	25
RMHR26-305			12	6.5	2.40	156.0	3.00	195.0	3.60	234.0	4.44	16.1	25
RMHR32-038	1 1/4	5/8	1 1/2	114.4	0.30	343.2	0.38	429.0	0.45	514.8	0.56	600.6	50
RMHR32-044			1 3/4	100.8	0.35	352.8	0.44	441.0	0.53	529.2	0.65	616.1	50
RMHR32-051			2	83.8	0.40	335.2	0.50	419.0	0.60	502.8	0.74	577.1	50
RMHR32-064			2 1/2	62.4	0.50	312.0	0.63	390.0	0.75	468.0	0.93	513.1	25
RMHR32-076			3	51.2	0.60	307.2	0.75	384.0	0.90	460.8	1.11	456.1	25
RMHR32-089			3 1/2	44.0	0.70	308.0	0.88	385.0	1.05	462.0	1.30	402.1	25
RMHR32-102			4	38.1	0.80	304.8	1.00	381.0	1.20	457.2	1.48	352.1	25
RMHR32-115			4 1/2	32.9	0.90	296.1	1.13	371.8	1.35	444.2	1.67	302.1	25
RMHR32-127			5	30.0	1.00	300.0	1.25	375.0	1.50	450.0	1.85	252.1	25
RMHR32-140			5 1/2	26.4	1.10	290.4	1.38	363.0	1.65	435.6	2.04	202.1	25
RMHR32-152			6	25.0	1.20	300.0	1.50	375.0	1.80	450.0	2.22	172.1	25
RMHR32-178			7	21.0	1.40	294.0	1.75	367.5	2.10	441.0	2.59	132.1	25
RMHR32-203			8	18.4	1.60	294.4	2.00	368.0	2.40	441.6	2.96	102.1	25
RMHR32-254			10	14.5	2.00	290.0	2.50	362.5	3.00	435.0	3.70	72.1	25
RMHR32-305			12	12.4	2.40	297.6	3.00	372.0	3.60	446.4	4.44	52.1	25
RMHR38-051	1 1/2	3/4	2	103.0	0.40	412.0	0.50	515.0	0.60	618.0	0.74	721.0	25
RMHR38-064			2 1/2	81.2	0.50	406.0	0.63	511.6	0.75	609.0	0.93	711.0	25
RMHR38-076			3	62.4	0.60	374.4	0.75	468.0	0.90	561.6	1.11	651.0	25
RMHR38-089			3 1/2	54.0	0.70	378.0	0.88	475.2	1.05	567.0	1.30	647.0	25
RMHR38-102			4	46.5	0.80	372.0	1.00	465.0	1.20	558.0	1.48	617.0	25
RMHR38-115			4 1/2	41.0	0.90	369.0	1.13	463.3	1.35	553.5	1.67	577.0	25
RMHR38-127			5	36.8	1.00	368.0	1.25	460.0	1.50	552.0	1.85	527.0	25
RMHR38-140			5 1/2	33.0	1.10	363.0	1.38	455.4	1.65	544.5	2.04	477.0	25
RMHR38-152			6	29.5	1.20	354.0	1.50	442.5	1.80	531.0	2.22	427.0	25
RMHR38-178			7	25.5	1.40	357.0	1.75	446.3	2.10	535.5	2.59	377.0	25
RMHR38-203			8	22.0	1.60	352.0	2.00	440.0	2.40	528.0	2.96	327.0	25
RMHR38-254			10	17.6	2.00	352.0	2.50	440.0	3.00	528.0	3.70	257.0	25
RMHR38-305			12	14.4	2.40	345.6	3.00	432.0	3.60	518.4	4.44	207.0	25
RMHR51-064	2	1	2 1/2	118.4	0.50	592.0	0.63	740.0	0.75	888.0	0.93	1036.0	25
RMHR51-076			3	93.0	0.60	558.0	0.75	697.5	0.90	837.0	1.11	981.0	25
RMHR51-089			3 1/2	78.2	0.70	547.4	0.88	688.2	1.05	821.1	1.30	966.0	25
RMHR51-102			4	66.4	0.80	531.2	1.00	664.0	1.20	796.8	1.48	936.0	25
RMHR51-115			4 1/2	60.0	0.90	540.0	1.13	675.0	1.35	810.0	1.67	906.0	25
RMHR51-127			5	53.4	1.00	534.0	1.25	667.5	1.50	801.0	1.85	876.0	25
RMHR51-140			5 1/2	49.0	1.10	539.0	1.38	676.2	1.65	808.5	2.04	856.0	25
RMHR51-152			6	45.0	1.20	540.0	1.50	675.0	1.80	810.0	2.22	806.0	25
RMHR51-178			7	37.4	1.40	523.6	1.75	654.5	2.10	785.4	2.59	756.0	25
RMHR51-203			8	33.0	1.60	528.0	2.00	660.0	2.40	792.0	2.96	706.0	10
RMHR51-254			10	26.0	2.00	520.0	2.50	650.0	3.00	780.0	3.70	606.0	10
RMHR51-305			12	21.5	2.40	516.0	3.00	645.0	3.60	774.0	4.44	506.0	10
RMHR63-076	2 1/2	1 1/2	3	171.4	0.60	1026.0	0.75	1289.0	0.90	1545.0	1.11	1811.0	15
RMHR63-089			3 1/2	146.2	0.70	1024.0	0.87	1278.0	1.05	1537.0	1.30	1761.0	15
RMHR63-102			4	128.5	0.80	1027.0	1.00	1285.0	1.20	1543.0	1.48	1711.0	15
RMHR63-115			4 1/2	111.9	0.90	1009.0	1.13	1260.0	1.35	1511.0	1.67	1661.0	15
RMHR63-127			5	100.5	1.00	1005.0	1.25	1258.0	1.50	1508.0	1.85	1611.0	5
RMHR63-140			5 1/2	90.8	1.10	997.0	1.37	1247.0	1.65	1498.0	2.04	1561.0	5
RMHR63-152			6	82.2	1.20	987.0	1.50	1233.0	1.80	1479.0	2.22	1511.0	5
RMHR63-178			7	68.5	1.40	960.0	1.75	1200.0	2.10	1438.0	2.59	1461.0	5
RMHR63-203			8	59.7	1.60	954.0	2.00	1194.0	2.40	1433.0	2.96	1411.0	5
RMHR63-229			9	52.5	1.80	945.0	2.25	1183.0	2.70	1419.0	3.33	1361.0	5
RMHR63-254			10	46.8	2.00	937.0	2.50	1171.0	3.00	1405.0	3.70	1311.0	5
RMHR63-305			12	37.7	2.40	905.0	3.00	1131.0	3.60	1356.0	4.44	1261.0	5

The color silver-red is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

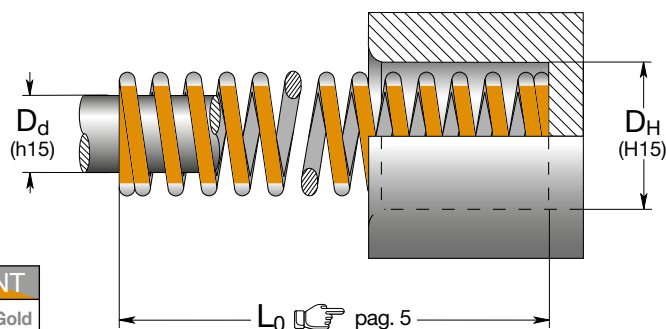
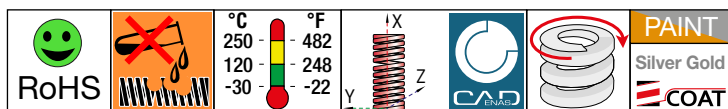
Load (lbs) = R (lbs./1 inch) x 10 x Deflection (inch) 1 lb = 4.448 N

020 - 19 Special Springs

EN Heavy duty die springs
Silver-gold color

ES Muelles carga fuerte
Color plateado-oro

FR Ressorts charge forte
Couleur argent-or



Part number	D _H	D _d	L ₀	R		A		B		C		D*	BOX ↓ 
	Hole Diameter	Hole Diameter	Free Length	Spring Rate	15% L ₀	20% L ₀	25% L ₀	30% L ₀					
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection					
	inch	inch	inch	lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	Pcs	
RHGO10-025	3/8	3/16	1	11.6	0.15	17.4	0.20	23.2	0.25	29.0	0.30	200	
RHGO10-032			1 1/4	9.8	0.19	18.6	0.25	24.5	0.31	30.4	0.38	200	
RHGO10-038			1 1/2	8.0	0.23	18.4	0.30	24.0	0.38	30.4	0.45	100	
RHGO10-044			1 3/4	7.5	0.26	19.5	0.35	26.3	0.44	33.0	0.53	100	
RHGO10-051			2	6.2	0.30	18.6	0.40	24.8	0.50	31.0	0.60	100	
RHGO10-064			2 1/2	5.0	0.38	19.0	0.50	25.0	0.63	31.5	0.75	100	
RHGO10-076			3	4.1	0.45	18.5	0.60	24.6	0.75	30.8	0.90	100	
RHGO10-305			12	1.1	1.80	19.8	2.40	26.4	3.00	33.0	3.60	50	
RHGO13-025	1/2	9/32	1	22.5	0.15	33.8	0.20	45.0	0.25	56.3	0.30	100	
RHGO13-032			1 1/4	18.2	0.19	34.6	0.25	45.5	0.31	56.4	0.38	100	
RHGO13-038			1 1/2	14.8	0.23	34.0	0.30	44.4	0.38	56.2	0.45	100	
RHGO13-044			1 3/4	12.6	0.26	32.8	0.35	44.1	0.44	55.4	0.53	100	
RHGO13-051			2	11.0	0.30	33.0	0.40	44.0	0.50	55.0	0.60	100	
RHGO13-064			2 1/2	8.6	0.38	32.7	0.50	43.0	0.63	54.2	0.75	50	
RHGO13-076			3	7.4	0.45	33.3	0.60	44.4	0.75	55.5	0.90	50	
RHGO13-089			3 1/2	6.0	0.53	31.8	0.70	42.0	0.88	52.8	1.05	50	
RHGO13-102			4	5.3	0.60	32.0	0.80	42.0	1.00	53.0	1.20	50	
RHGO13-305			12	1.7	1.80	30.6	2.40	40.8	3.00	51.0	3.60	50	
RHGO16-025	5/8	11/32	1	42.4	0.15	63.6	0.20	84.8	0.25	106.0	0.30	100	
RHGO16-032			1 1/4	32.5	0.19	61.8	0.25	81.3	0.31	100.8	0.38	100	
RHGO16-038			1 1/2	28.0	0.23	64.4	0.30	84.0	0.38	106.4	0.45	100	
RHGO16-044			1 3/4	24.0	0.26	62.4	0.35	84.0	0.44	105.6	0.53	50	
RHGO16-051			2	20.8	0.30	62.4	0.40	83.2	0.50	104.0	0.60	50	
RHGO16-064			2 1/2	17.0	0.38	64.6	0.50	85.0	0.63	107.1	0.75	50	
RHGO16-076			3	14.0	0.45	63.0	0.60	84.0	0.75	105.0	0.90	50	
RHGO16-089			3 1/2	12.2	0.53	64.7	0.70	85.4	0.88	107.4	1.05	50	
RHGO16-102			4	10.8	0.60	64.8	0.80	86.4	1.00	108.0	1.20	50	
RHGO16-115			4 1/2	9.5	0.68	65.0	0.90	86.0	1.13	108.0	1.35	50	
RHGO16-305	12	3.0	1.80	54.0	2.40	72.0	3.00	90.0	3.60	50			
RHGO19-025	3/4	3/8	1	108.0	0.15	162.0	0.20	216.0	0.25	270.0	0.27	50	
RHGO19-032			1 1/4	88.0	0.19	167.2	0.25	220.0	0.31	272.8	0.35	50	
RHGO19-038			1 1/2	69.0	0.23	158.7	0.30	207.0	0.38	262.2	0.45	50	
RHGO19-044			1 3/4	60.0	0.26	156.0	0.35	210.0	0.44	264.0	0.53	50	
RHGO19-051			2	51.5	0.30	154.5	0.40	206.0	0.50	257.5	0.60	50	
RHGO19-064			2 1/2	40.0	0.38	152.0	0.50	200.0	0.63	252.0	0.75	50	
RHGO19-076			3	33.0	0.45	148.5	0.60	198.0	0.75	247.5	0.90	50	
RHGO19-089			3 1/2	29.0	0.53	153.7	0.70	203.0	0.88	255.2	1.05	50	
RHGO19-102			4	25.0	0.60	150.0	0.80	200.0	1.00	250.0	1.20	50	
RHGO19-115			4 1/2	22.0	0.68	149.6	0.90	198.0	1.13	248.6	1.35	50	
RHGO19-127			5	19.5	0.75	146.3	1.00	195.0	1.25	243.8	1.50	50	
RHGO19-140			5 1/2	17.8	0.83	147.7	1.10	195.8	1.38	245.6	1.65	50	
RHGO19-152			6	16.0	0.90	144.0	1.20	192.0	1.50	240.0	1.80	50	
RHGO19-305			12	8.0	1.80	144.0	2.40	192.0	3.00	240.0	3.60	50	

*Deflection values near solid intended for design information ONLY.

The color silver-gold is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R		A		B		C		D*	BOX	
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	15% L ₀	20% L ₀	25% L ₀	30% L ₀	Max. Operating Def.	Max. Deflection				
	inch	inch	inch	± 10% lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	Pcs		
RHGO26-025	1	1/2	1	193.2	0.15	289.8	0.20	386.4	0.25	483.0	0.27	50		
RHGO26-032			1 1/4	146.5	0.19	278.4	0.25	366.3	0.31	454.2	0.38	50		
RHGO26-038			1 1/2	120.0	0.23	276.0	0.30	360.0	0.38	456.0	0.45	50		
RHGO26-044			1 3/4	104.0	0.26	270.4	0.35	364.0	0.44	457.6	0.53	50		
RHGO26-051			2	87.2	0.30	261.6	0.40	348.8	0.50	436.0	0.60	50		
RHGO26-064			2 1/2	66.5	0.38	252.7	0.50	332.5	0.63	419.0	0.75	50		
RHGO26-076			3	54.4	0.45	244.8	0.60	326.4	0.75	408.0	0.90	25		
RHGO26-089			3 1/2	45.6	0.53	241.7	0.70	319.2	0.88	401.3	1.05	25		
RHGO26-102			4	40.0	0.60	240.0	0.80	320.0	1.00	400.0	1.20	25		
RHGO26-115			4 1/2	35.2	0.68	239.4	0.90	316.8	1.13	397.8	1.35	25		
RHGO26-127			5	31.2	0.75	234.0	1.00	312.0	1.25	390.0	1.50	25		
RHGO26-140			5 1/2	28.8	0.83	239.0	1.10	316.8	1.38	397.4	1.65	25		
RHGO26-152			6	25.6	0.90	230.4	1.20	307.2	1.50	384.0	1.80	25		
RHGO26-178			7	22.4	1.05	235.2	1.40	313.6	1.75	392.0	2.10	25		
RHGO26-203			8	19.2	1.20	230.4	1.60	307.2	2.00	384.0	2.40	25		
RHGO26-305			12	12.8	1.80	230.4	2.40	307.2	3.00	384.0	3.60	25		
RHGO32-038	1 1/4	5/8	1 1/2	220.0	0.23	506.0	0.30	660.0	0.38	836.0	0.45	50		
RHGO32-044			1 3/4	181.6	0.26	472.2	0.35	635.6	0.44	799.0	0.53	50		
RHGO32-051			2	149.6	0.30	448.8	0.40	598.4	0.50	748.0	0.57	50		
RHGO32-064			2 1/2	117.6	0.38	446.9	0.50	588.0	0.63	740.9	0.75	25		
RHGO32-076			3	95.2	0.45	428.4	0.60	571.2	0.75	714.0	0.90	25		
RHGO32-089			3 1/2	78.0	0.53	413.4	0.70	546.0	0.88	686.4	1.05	25		
RHGO32-102			4	66.4	0.60	398.4	0.80	531.2	1.00	664.0	1.20	25		
RHGO32-115			4 1/2	58.4	0.68	397.1	0.90	525.6	1.13	659.9	1.35	25		
RHGO32-127			5	53.0	0.75	397.5	1.00	530.0	1.25	662.5	1.50	25		
RHGO32-140			5 1/2	47.2	0.83	391.8	1.10	519.2	1.38	651.4	1.65	25		
RHGO32-152			6	45.0	0.90	405.0	1.20	540.0	1.50	675.0	1.80	25		
RHGO32-178			7	36.8	1.05	386.4	1.40	515.2	1.75	644.0	2.10	25		
RHGO32-203			8	32.8	1.20	393.6	1.60	524.8	2.00	656.0	2.40	25		
RHGO32-254			10	25.6	1.50	384.0	2.00	512.0	2.50	640.0	3.00	25		
RHGO32-305			12	22.0	1.80	396.0	2.40	528.0	3.00	660.0	3.60	25		
RHGO38-051			1 1/2	3/4	2	198.0	0.30	594.0	0.40	792.0	0.50	990.0	0.60	25
RHGO38-064	2 1/2	155.0			0.38	589.0	0.50	775.0	0.63	976.5	0.75	25		
RHGO38-076	3	130.0			0.45	585.0	0.60	780.0	0.75	975.0	0.90	25		
RHGO38-089	3 1/2	106.4			0.53	563.9	0.70	744.8	0.88	936.3	1.05	25		
RHGO38-102	4	91.2			0.60	547.2	0.80	729.6	1.00	912.0	1.20	25		
RHGO38-115	4 1/2	81.6			0.68	554.9	0.90	734.4	1.13	922.1	1.35	25		
RHGO38-127	5	73.0			0.75	547.5	1.00	730.0	1.25	912.5	1.50	25		
RHGO38-140	5 1/2	67.0			0.83	556.1	1.10	737.0	1.38	924.6	1.65	25		
RHGO38-152	6	58.4			0.90	525.6	1.20	700.8	1.50	876.0	1.80	25		
RHGO38-178	7	49.6			1.05	520.8	1.40	694.4	1.75	868.0	2.10	25		
RHGO38-203	8	43.2			1.20	518.4	1.60	691.2	2.00	864.0	2.40	25		
RHGO38-254	10	36.2			1.50	543.0	2.00	724.0	2.50	905.0	3.00	25		
RHGO38-305	12	30.0			1.80	540.0	2.40	720.0	3.00	900.0	3.60	25		
RHGO51-064	2	1			2 1/2	251.2	0.38	954.6	0.50	1256.0	0.63	1582.6	0.75	25
RHGO51-076					3	206.0	0.45	927.0	0.60	1236.0	0.75	1545.0	0.90	25
RHGO51-089					3 1/2	170.0	0.53	901.0	0.70	1190.0	0.88	1496.0	1.05	25
RHGO51-102			4	150.0	0.60	900.0	0.80	1200.0	1.00	1500.0	1.20	25		
RHGO51-115			4 1/2	127.2	0.68	865.0	0.90	1144.8	1.13	1437.4	1.35	25		
RHGO51-127			5	118.6	0.75	889.5	1.00	1186.0	1.25	1482.5	1.50	25		
RHGO51-140			5 1/2	107.7	0.83	893.9	1.10	1184.7	1.38	1486.3	1.65	25		
RHGO51-152			6	97.7	0.90	879.3	1.20	1172.4	1.50	1465.5	1.80	25		
RHGO51-178			7	82.0	1.05	861.0	1.40	1148.0	1.75	1435.0	2.10	25		
RHGO51-203			8	73.0	1.20	876.0	1.60	1168.0	2.00	1460.0	2.40	10		
RHGO51-254			10	57.2	1.50	858.0	2.00	1144.0	2.50	1430.0	3.00	10		
RHGO51-305			12	47.7	1.80	858.6	2.40	1144.8	3.00	1431.0	3.60	10		

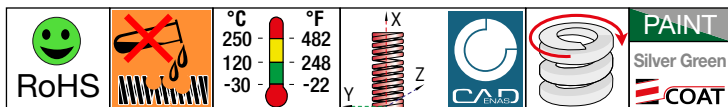
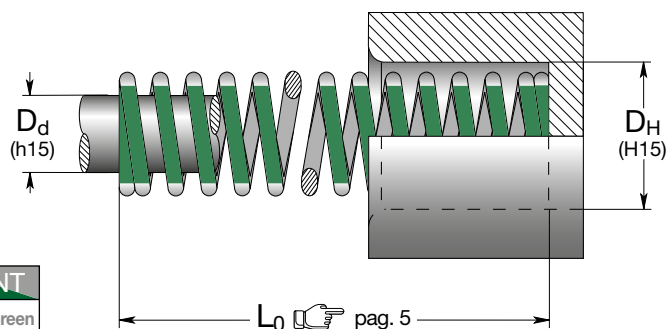
The color silver-gold is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

EN Extra heavy duty die springs
Silver-green color

ES Muelles carga extra-fuerte
Color platerado-verde

FR Ressorts charge extra-forte
Couleur argent-vert



Part number	D _H	D _d	L ₀	R		A		B		C		D*	BOX ↓ 
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	15% L ₀	17% L ₀	20% L ₀	25% L ₀					
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection					
	inch	inch	inch	lbs./1 inch	inch	lbs	inch	lbs	inch	lbs	inch	Pcs	
RXHG10-025	3/8	3/16	1	21.0	0.15	31.5	0.17	35.7	0.20	42.0	0.25	200	
RXHG10-032			1 1/4	14.6	0.19	27.7	0.21	30.7	0.25	36.5	0.31	200	
RXHG10-038			1 1/2	12.5	0.23	28.8	0.26	32.5	0.30	37.5	0.38	100	
RXHG10-044			1 3/4	10.5	0.26	27.3	0.30	31.5	0.35	36.8	0.44	100	
RXHG10-051			2	9.0	0.30	27.0	0.34	30.6	0.40	36.0	0.50	100	
RXHG10-064			2 1/2	7.5	0.38	28.5	0.43	32.3	0.50	37.5	0.63	100	
RXHG10-076			3	6.3	0.45	28.4	0.51	32.1	0.60	37.8	0.75	100	
RXHG10-305			12	1.5	1.80	27.0	2.04	30.6	2.40	36.0	3.00	50	
RXHG13-025	1/2	9/32	1	31.0	0.15	46.5	0.17	52.7	0.20	62.0	0.25	100	
RXHG13-032			1 1/4	24.0	0.19	45.6	0.21	50.4	0.25	60.0	0.31	100	
RXHG13-038			1 1/2	19.2	0.23	44.2	0.26	49.9	0.30	57.6	0.38	100	
RXHG13-044			1 3/4	17.0	0.26	44.2	0.30	51.0	0.35	59.5	0.44	100	
RXHG13-051			2	14.0	0.30	42.0	0.34	47.6	0.40	56.0	0.50	100	
RXHG13-064			2 1/2	11.5	0.38	43.7	0.43	49.5	0.50	57.5	0.63	50	
RXHG13-076			3	9.4	0.45	42.3	0.51	47.9	0.60	56.4	0.75	50	
RXHG13-089			3 1/2	8.0	0.53	42.4	0.60	48.0	0.70	56.0	0.88	50	
RXHG13-102			4	7.1	0.60	43.0	0.68	49.0	0.80	57.0	1.00	50	
RXHG13-305			12	2.4	1.80	43.2	2.04	49.0	2.40	57.6	3.00	50	
RXHG16-025	5/8	11/32	1	63.0	0.15	94.5	0.17	107.1	0.20	126.0	0.25	100	
RXHG16-032			1 1/4	43.8	0.19	83.2	0.21	92.0	0.25	109.5	0.31	100	
RXHG16-038			1 1/2	37.0	0.23	85.1	0.26	96.2	0.30	111.0	0.38	100	
RXHG16-044			1 3/4	31.0	0.26	80.6	0.30	93.0	0.35	108.5	0.44	50	
RXHG16-051			2	28.0	0.30	84.0	0.34	95.2	0.40	112.0	0.50	50	
RXHG16-064			2 1/2	22.0	0.38	83.6	0.43	94.6	0.50	110.0	0.63	50	
RXHG16-076			3	19.0	0.45	85.5	0.51	96.9	0.60	114.0	0.75	50	
RXHG16-089			3 1/2	15.4	0.53	81.6	0.60	92.4	0.70	107.8	0.88	50	
RXHG16-102			4	13.5	0.60	81.0	0.68	91.8	0.80	108.0	1.00	50	
RXHG16-115			4 1/2	12.0	0.68	82.0	0.77	93.0	0.90	109.0	1.13	50	
RXHG16-305			12	4.5	1.80	81.0	2.04	91.8	2.40	108.0	3.00	50	
RXHG19-025			3/4	3/8	1	140.0	0.15	210.0	0.17	238.0	0.20	280.0	0.25
RXHG19-032	1 1/4	110.0			0.19	209.0	0.21	231.0	0.25	275.0	0.31	50	
RXHG19-038	1 1/2	89.0			0.23	204.7	0.26	231.4	0.30	267.0	0.38	50	
RXHG19-044	1 3/4	75.0			0.26	195.0	0.30	225.0	0.35	262.5	0.44	50	
RXHG19-051	2	66.0			0.30	198.0	0.34	224.4	0.40	264.0	0.50	50	
RXHG19-064	2 1/2	50.0			0.38	190.0	0.43	215.0	0.50	250.0	0.63	50	
RXHG19-076	3	40.5			0.45	182.3	0.51	206.6	0.60	243.0	0.75	50	
RXHG19-089	3 1/2	34.5			0.53	182.9	0.60	207.0	0.70	241.5	0.88	50	
RXHG19-102	4	30.0			0.60	180.0	0.68	204.0	0.80	240.0	1.00	50	
RXHG19-115	4 1/2	26.5			0.68	180.2	0.77	204.1	0.90	238.5	1.13	50	
RXHG19-127	5	23.5			0.75	176.3	0.85	199.8	1.00	235.0	1.25	50	
RXHG19-140	5 1/2	21.5			0.83	178.5	0.94	202.1	1.10	236.5	1.38	50	
RXHG19-152	6	19.5			0.90	175.5	1.02	198.9	1.20	234.0	1.50	50	
RXHG19-305	12	9.5			1.80	171.0	2.04	193.8	2.40	228.0	3.00	50	

*Deflection values near solid intended for design information ONLY.

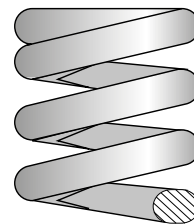
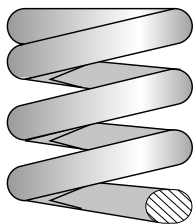
The color silver-green is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R	 A	 B	 C	 D*	BOX ↓ 					
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	15% L ₀	17% L ₀	20% L ₀	25% L ₀						
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection						
	inch	inch	inch	lbs./1 inch	inch	lbs	inch	lbs	inch	Pcs				
RXHG26-025	1	1/2	1	243.7	0.15	365.0	0.17	413.0	0.20	489.0	0.25	50		
RXHG26-032			1 1/4	187.6	0.19	355.0	0.21	392.0	0.25	473.0	0.31	50		
RXHG26-038			1 1/2	160.0	0.23	368.0	0.26	416.0	0.30	480.0	0.38	50		
RXHG26-044			1 3/4	133.9	0.26	348.0	0.30	401.0	0.35	469.0	0.44	50		
RXHG26-051			2	116.0	0.30	348.0	0.34	394.4	0.40	464.0	0.50	50		
RXHG26-064			2 1/2	89.6	0.38	340.5	0.43	385.3	0.50	448.0	0.63	50		
RXHG26-076			3	73.6	0.45	331.2	0.51	375.4	0.60	441.6	0.75	25		
RXHG26-089			3 1/2	62.4	0.53	330.7	0.60	374.4	0.70	436.8	0.88	25		
RXHG26-102			4	55.2	0.60	331.2	0.68	375.4	0.80	441.6	1.00	25		
RXHG26-115			4 1/2	48.8	0.68	331.8	0.77	375.8	0.90	439.2	1.13	25		
RXHG26-127			5	43.2	0.75	324.0	0.85	367.2	1.00	432.0	1.25	25		
RXHG26-140			5 1/2	39.3	0.83	327.0	0.94	370.0	1.10	432.0	1.37	25		
RXHG26-152			6	36.0	0.90	324.0	1.02	367.2	1.20	432.0	1.50	25		
RXHG26-178			7	30.5	1.05	321.0	1.19	363.0	1.40	427.0	1.75	25		
RXHG26-203			8	26.6	1.20	319.0	1.36	361.0	1.60	424.0	2.00	25		
RXHG26-305			12	17.6	1.80	316.8	2.04	359.0	2.40	422.4	3.00	25		
RXHG32-038	1 1/4	5/8	1 1/2	269.0	0.23	614.0	0.26	699.0	0.30	805.0	0.37	50		
RXHG32-044			1 3/4	237.0	0.26	616.0	0.30	709.0	0.35	830.0	0.44	25		
RXHG32-051			2	205.0	0.30	615.0	0.34	697.0	0.40	820.0	0.50	50		
RXHG32-064			2 1/2	152.5	0.38	579.5	0.43	655.8	0.50	762.5	0.63	25		
RXHG32-076			3	122.0	0.45	549.0	0.51	622.2	0.60	732.0	0.75	25		
RXHG32-089			3 1/2	108.5	0.53	575.1	0.60	651.0	0.70	759.5	0.88	25		
RXHG32-102			4	89.0	0.60	534.0	0.68	605.2	0.80	712.0	1.00	25		
RXHG32-115			4 1/2	83.5	0.68	567.8	0.77	643.0	0.90	751.5	1.13	25		
RXHG32-127			5	70.0	0.75	525.0	0.85	595.0	1.00	700.0	1.25	25		
RXHG32-140			5 1/2	62.8	0.83	522.0	0.94	591.0	1.10	690.0	1.37	25		
RXHG32-152			6	57.5	0.90	517.5	1.02	586.5	1.20	690.0	1.50	25		
RXHG32-178			7	51.4	1.05	540.0	1.19	611.0	1.40	720.0	1.75	25		
RXHG32-203			8	46.0	1.20	552.0	1.36	625.6	1.60	736.0	2.00	25		
RXHG32-254			10	34.5	1.50	517.5	1.70	586.5	2.00	690.0	2.50	25		
RXHG32-305			12	27.0	1.80	486.0	2.04	550.8	2.40	648.0	3.00	25		
RXHG38-051			1 1/2	3/4	2	408.5	0.30	1225.5	0.34	1388.9	0.40	1634.0	0.45	25
RXHG38-064	2 1/2	328.5			0.38	1248.3	0.43	1412.6	0.50	1642.5	0.63	25		
RXHG38-076	3	255.0			0.45	1147.5	0.51	1300.5	0.60	1530.0	0.75	25		
RXHG38-089	3 1/2	213.5			0.53	1131.6	0.60	1281.0	0.70	1494.5	0.88	25		
RXHG38-102	4	184.5			0.60	1107.0	0.68	1254.6	0.80	1476.0	1.00	25		
RXHG38-115	4 1/2	162.5			0.68	1105.0	0.77	1251.3	0.90	1462.5	1.13	25		
RXHG38-127	5	145.0			0.75	1087.5	0.85	1232.5	1.00	1450.0	1.25	25		
RXHG38-140	5 1/2	130.8			0.83	1086.0	0.94	1230.0	1.10	1436.0	1.37	25		
RXHG38-152	6	120.5			0.90	1084.5	1.02	1229.1	1.20	1446.0	1.50	25		
RXHG38-178	7	102.8			1.05	1080.0	1.19	1222.0	1.40	1441.0	1.75	25		
RXHG38-203	8	90.5			1.20	1086.0	1.36	1230.8	1.60	1448.0	2.00	25		
RXHG38-254	10	71.0			1.50	1065.0	1.70	1207.0	2.00	1420.0	2.50	25		
RXHG38-305	12	55.0			1.80	990.0	2.04	1122.0	2.40	1320.0	3.00	25		
RXHG51-064	2	1			2 1/2	411.0	0.38	1561.8	0.43	1767.3	0.50	2055.0	0.60	25
RXHG51-076					3	319.0	0.45	1435.5	0.51	1626.9	0.60	1914.0	0.70	25
RXHG51-089					3 1/2	276.4	0.53	1464.9	0.60	1658.4	0.70	1934.8	0.88	25
RXHG51-102			4	231.1	0.60	1386.6	0.68	1571.5	0.80	1848.8	0.97	25		
RXHG51-115			4 1/2	188.8	0.68	1283.8	0.77	1453.8	0.90	1699.2	1.13	25		
RXHG51-127			5	180.4	0.75	1353.0	0.85	1533.4	1.00	1804.0	1.25	25		
RXHG51-140			5 1/2	159.9	0.83	1328.0	0.94	1504.0	1.10	1756.0	1.37	25		
RXHG51-152			6	147.3	0.90	1325.7	1.02	1502.5	1.20	1767.6	1.50	25		
RXHG51-178			7	125.6	1.05	1321.0	1.19	1494.0	1.40	1761.0	1.75	25		
RXHG51-203			8	111.6	1.20	1339.2	1.36	1517.8	1.60	1785.6	2.00	10		
RXHG51-254			10	88.4	1.50	1326.0	1.70	1502.8	2.00	1768.0	2.50	10		
RXHG51-305			12	71.2	1.80	1281.6	2.04	1452.5	2.40	1708.8	3.00	10		

The color silver-green is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

RANGE OVERVIEW



DH	Dd	L ₀
mm	mm	mm
9.53	4.76	25.40
		31.75
		38.10
		44.45
		50.80
		63.50
		76.20
12.70	7.14	304.80
		25.40
		31.75
		38.10
		44.45
		50.80
		63.50
		76.20
		88.90
		101.60
		114.30
		139.70
		165.10
		190.50
15.88	8.70	304.80
		25.40
		31.75
		38.10
		44.45
		50.80
		63.50
		76.20
		88.90
		101.60
		114.30
		304.80
19.05	9.50	25.40
		31.75
		38.10
		44.45
		50.80
		63.50
		76.20
		88.90
		101.60
		114.30
		127.00
		139.70
		152.40
		165.10
		190.50
		304.80
25.40	12.70	25.40
		31.75
		38.10
		44.45
		50.80
		63.50
		76.20
		88.90
		101.60
		114.30
		127.00
		139.70
		152.40
		165.10

US series
Max. Defl. 50% L ₀
R ± 10%
N/mm
10.5
8.8
7.4
6.5
5.4
4.6
3.7
1.1
19.3
14.4
11.9
10.5
9.6
7.9
6.1
5.3
4.5
4.0
3.5
2.5
2.1
1.2
28.7
21.7
18.9
16.8
15.1
11.4
10.2
8.8
7.7
6.7
2.6
56.0
44.8
35.0
30.8
26.3
21.0
17.7
14.5
13.1
11.2
10.5
9.6
8.8
8.2
6.7
4.2
96.3
78.8
65.3
56.0
46.9
36.6
29.9
25.4
21.9
19.3

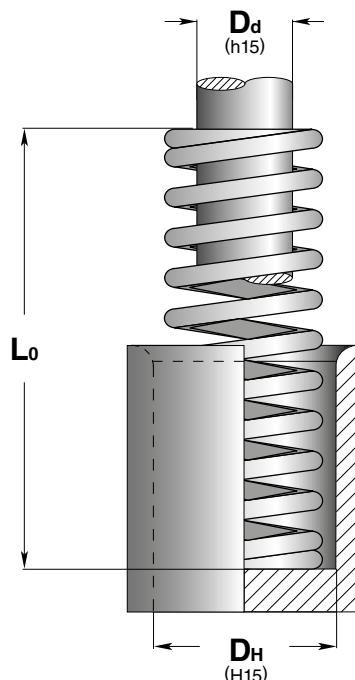
US series
Max. Defl. 37% L ₀
R ± 10%
N/mm
14.7
12.8
11.7
10.2
8.8
6.5
5.3
1.4
27.1
21.4
17.2
14.9
13.1
10.5
8.9
7.0
6.4
-
-
-
-
-
1.9
52.5
37.7
33.3
29.4
27.1
20.1
17.5
14.9
13.3
11.5
4.6
87.6
66.5
54.3
47.3
42.0
32.9
26.1
22.4
19.3
17.5
15.8
14.0
13.1
-
-
6.1
144.8
114.3
94.2
80.7
70.0
56.4
46.8
40.1
35.4
31.2

US series
Max. Defl. 30% L ₀
R ± 10%
N/mm
20.3
17.2
14.0
13.1
10.9
8.8
7.2
1.9
39.4
31.9
25.9
22.1
19.3
15.1
13.0
10.5
9.3
-
-
-
-
3.0
74.2
56.9
49.0
42.0
36.4
29.8
24.5
21.4
18.9
16.7
5.3
189.1
154.1
120.8
105.1
90.2
70.0
57.8
50.8
43.8
38.5
34.1
31.2
28.0
-
-
14.0
338.3
256.5
210.1
182.1
152.7
116.4
95.3
79.8
70.0
61.6

US series
Max. Defl. 25% L ₀
R ± 10%
N/mm
36.8
25.6
21.9
18.4
15.8
13.1
11.0
2.6
54.3
42.0
33.6
29.8
24.5
20.1
16.5
14.0
12.5
-
-
-
-
4.2
110.3
76.7
64.8
54.3
49.0
38.5
33.3
27.0
23.6
21.1
7.9
245.1
192.6
155.8
131.3
115.6
87.6
70.9
60.4
52.5
46.4
41.1
37.6
34.1
-
-
16.6
426.8
328.6
280.2
234.5
203.1
156.9
128.9
109.3
96.7
85.4

DH	Dd	L ₀
mm	mm	mm
25.40	12.70	127.00
		139.70
		152.40
		177.80
		203.20
		304.80
31.75	15.88	38.10
		44.45
		50.80
		63.50
		76.20
		88.90
		101.60
		114.30
		127.00
		139.70
		152.40
		177.80
		203.20
		254.00
38.10	19.05	304.80
		50.80
		63.50
		76.20
		88.90
		101.60
		114.30
		127.00
		139.70
		152.40
		177.80
		203.20
		254.00
		304.80
50.80	25.40	63.50
		76.20
		88.90
		101.60
		114.30
		127.00
		139.70
		152.40
		177.80
		203.20
		254.00
		304.80
63.50	38.10	76.20
		88.90
		101.60
		114.30
		127.00
		139.70
		152.40
		177.80
		203.20
		228.60
		254.00
		304.80
		189.3
		156.9
		133.4
		116.7
		104.0
		93.1
		84.3
		72.6
		62.8
		-
		47.1
		41.0

RMHR		RHGO		RXHG	
Medium Heavy Duty		Heavy Duty		Extra Heavy Duty	
US series		US series		US series	
Max. Defl. 37% L₀		Max. Defl. 30% L₀		Max. Defl. 25% L₀	
R ± 10%		R ± 10%		R ± 10%	
N/mm		N/mm		N/mm	
27.5		54.6		75.6	
24.0		50.4		68.9	
21.9		44.8		63.0	
19.1		39.2		53.4	
16.8		33.6		46.5	
11.4		22.4		30.8	
200.3		385.2		471.1	
176.5		318.0		415.0	
146.7		261.9		359.0	
109.3		205.9		267.0	
89.7		166.7		213.6	
77.1		136.6		190.0	
66.7		116.3		155.8	
57.6		102.3		146.2	
52.5		92.8		122.6	
46.2		82.6		110.0	
43.8		78.8		100.7	
36.8		64.4		90.0	
32.2		57.4		80.5	
25.4		44.8		60.4	
21.7		38.5		47.3	
180.4		346.7		715.3	
142.2		271.4		575.2	
109.3		227.6		446.5	
94.6		186.3		373.8	
81.4		159.7		323.1	
71.8		142.9		284.5	
64.4		127.8		253.9	
57.8		117.3		229.0	
51.7		102.3		211.0	
44.7		86.8		180.0	
38.5		75.6		158.5	
30.8		63.4		124.3	
25.2		52.5		96.3	
207.3		439.9		719.7	
162.8		360.7		558.6	
136.9		297.7		484.0	
116.3		262.7		404.7	
105.1		222.7		330.6	
93.5		207.7		315.9	
85.8		188.6		280.0	
78.8		171.1		257.9	
65.5		143.6		220.0	
57.8		127.8		195.4	
45.5		100.2		154.8	
37.6		83.5		124.7	
300.1		-		-	
256.0		-		-	
225.0		-		-	
196.0		-		-	
176.0		-		-	
159.0		-		-	
144.0		-		-	
120.0		-		-	
104.5		-		-	
92.0		-		-	
82.0		-		-	
66.0		-		-	

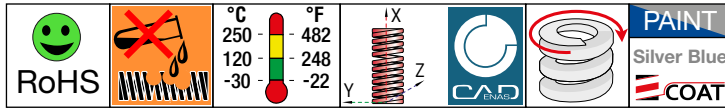
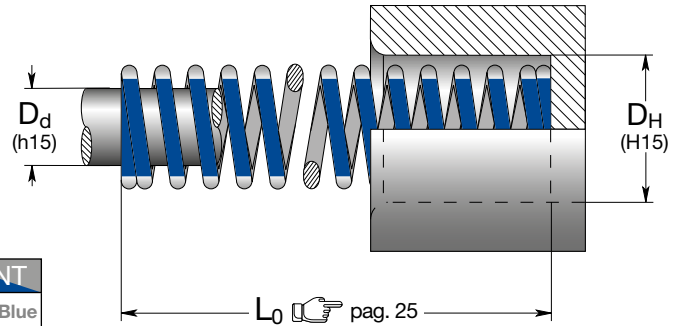


D_H	Hole diameter Diámetro del agujero de alojamiento Diamètre du trou de logement												
D_d	Rod diameter Diámetro de la clavija de guía Diamètre de l'arbre de guidage												
L₀	<table border="1"> <tr> <td>Spring free length Longitud libre del muelle Longueur libre du ressort mm</td><td>Tolerance Tolerancia Tolérance mm</td></tr> <tr> <td>From 25 to 51</td><td>+ 2.4 - 0</td></tr> <tr> <td>From 64 to 115</td><td>+ 3.2 - 0</td></tr> <tr> <td>From 127 to 178</td><td>+ 4.8 - 0</td></tr> <tr> <td>From 203 to 229</td><td>+ 6.4 - 0</td></tr> <tr> <td>From 254 to 305</td><td>+ 9.5 - 0</td></tr> </table>	Spring free length Longitud libre del muelle Longueur libre du ressort mm	Tolerance Tolerancia Tolérance mm	From 25 to 51	+ 2.4 - 0	From 64 to 115	+ 3.2 - 0	From 127 to 178	+ 4.8 - 0	From 203 to 229	+ 6.4 - 0	From 254 to 305	+ 9.5 - 0
Spring free length Longitud libre del muelle Longueur libre du ressort mm	Tolerance Tolerancia Tolérance mm												
From 25 to 51	+ 2.4 - 0												
From 64 to 115	+ 3.2 - 0												
From 127 to 178	+ 4.8 - 0												
From 203 to 229	+ 6.4 - 0												
From 254 to 305	+ 9.5 - 0												
R	Spring rate (N/mm) - load required to deflect by 1mm deflection Carga (N/mm) necesaria para desviar el muelle de 1mm Charge(N/mm) exigée pour comprimer le ressort 1mm												
Max. Defl.	Deflection values near solid are intended for design information ONLY Los valores de deflexión por muelle a bloque están destinados SOLAMENTE a información de diseño Les valeurs de déflexion pour ressort à bloc sont fournies UNIQUEMENT à titre de renseignements techniques												

EN Medium duty die springs
Silver-blue color

ES Muelles carga mediana
Color plateado-azul

FR Ressort charge moyenne
Couleur Argent-bleu



Part number	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring Rate ± 10%	A 25% L ₀ For Optimum Life		B 35% L ₀ For Long Life		C 40% L ₀ Max. Operating Def.		D* 50% L ₀ Max. Deflection		BOX ↓ Pcs
					mm	N	mm	N	mm	N	mm	N	
RMBL10-025	9.53	4.76	25.40	10.5	6.4	67	8.9	93	10.2	107	12.7	127	200
RMBL10-032			31.75	8.8	7.9	69	11.1	97	12.7	111	15.9	159	200
RMBL10-038			38.10	7.4	9.5	70	13.3	98	15.2	112	19.1	191	100
RMBL10-044			44.45	6.5	11.1	72	15.6	101	17.8	115	22.2	222	100
RMBL10-051			50.80	5.4	12.7	69	17.8	97	20.3	110	25.4	254	100
RMBL10-064			63.50	4.6	15.9	73	22.2	101	25.4	116	31.8	318	100
RMBL10-076			76.20	3.7	19.1	70	26.7	98	30.5	112	38.1	381	100
RMBL10-305			304.80	1.1	76.2	80	106.7	112	121.9	128	152.4	1524	50
RMBL13-025	12.70	7.14	25.40	19.3	6.4	122	8.9	171	10.2	196	12.7	127	100
RMBL13-032			31.75	14.4	7.9	114	11.1	160	12.7	182	15.9	159	100
RMBL13-038			38.10	11.9	9.5	113	13.3	159	15.2	181	19.1	191	100
RMBL13-044			44.45	10.5	11.1	117	15.6	163	17.8	187	22.2	222	100
RMBL13-051			50.80	9.6	12.7	122	17.8	171	20.3	196	25.4	254	100
RMBL13-064			63.50	7.9	15.9	125	22.2	175	25.4	200	31.8	318	50
RMBL13-076			76.20	6.1	19.1	117	26.7	163	30.5	187	38.1	381	50
RMBL13-089			88.90	5.3	22.2	117	31.1	163	35.6	187	44.5	445	50
RMBL13-102			101.60	4.5	25.4	114	35.6	160	40.6	183	50.8	508	50
RMBL13-115			114.30	4.0	28.6	115	40.0	161	45.7	184	57.2	572	50
RMBL13-140			139.70	3.5	34.9	122	48.9	171	55.9	196	69.9	699	50
RMBL13-165			165.10	2.5	41.3	101	57.8	142	66.0	162	82.6	826	50
RMBL13-190			190.50	2.1	47.6	100	66.7	140	76.2	160	95.3	953	50
RMBL13-305			304.80	1.2	76.2	93	106.7	131	121.9	149	152.4	1524	50
RMBL16-025	15.88	8.73	25.40	28.7	6.4	182	8.9	255	10.2	292	12.7	127	100
RMBL16-032			31.75	21.7	7.9	173	11.1	242	12.7	276	15.9	159	100
RMBL16-038			38.10	18.9	9.5	180	13.3	252	15.2	288	19.1	191	100
RMBL16-044			44.45	16.8	11.1	187	15.6	262	17.8	299	22.2	222	50
RMBL16-051			50.80	15.1	12.7	191	17.8	268	20.3	306	25.4	254	50
RMBL16-064			63.50	11.4	15.9	181	22.2	253	25.4	289	31.8	318	50
RMBL16-076			76.20	10.2	19.1	193	26.7	271	30.5	310	38.1	381	50
RMBL16-089			88.90	8.8	22.2	195	31.1	273	35.6	311	44.5	445	50
RMBL16-102			101.60	7.7	25.4	196	35.6	274	40.6	313	50.8	508	50
RMBL16-115			114.30	6.7	28.6	192	40.0	268	45.7	306	57.2	572	50
RMBL16-305			304.80	2.6	76.2	200	106.7	280	121.9	320	152.4	1524	50
RMBL19-025	19.05	9.50	25.40	56.0	6.4	356	8.9	498	10.2	569	12.7	127	50
RMBL19-032			31.75	44.8	7.9	356	11.1	498	12.7	569	15.9	159	50
RMBL19-038			38.10	35.0	9.5	334	13.3	467	15.2	534	19.1	191	50
RMBL19-044			44.45	30.8	11.1	342	15.6	479	17.8	548	22.2	222	50
RMBL19-051			50.80	26.3	12.7	334	17.8	467	20.3	534	25.4	254	50
RMBL19-064			63.50	21.0	15.9	334	22.2	467	25.4	534	31.8	318	50
RMBL19-076			76.20	17.7	19.1	337	26.7	472	30.5	539	38.1	381	50
RMBL19-089			88.90	14.5	22.2	323	31.1	452	35.6	517	44.5	445	50
RMBL19-102			101.60	13.1	25.4	334	35.6	467	40.6	534	50.8	508	50
RMBL19-115			114.30	11.2	28.6	320	40.0	448	45.7	512	57.2	572	50
RMBL19-127			127.00	10.5	31.8	334	44.5	467	50.8	534	63.5	635	50
RMBL19-140			139.70	9.6	34.9	336	48.9	471	55.9	538	69.9	699	50
RMBL19-152			152.40	8.8	38.1	334	53.3	467	61.0	534	76.2	762	50
RMBL19-165			165.10	8.2	41.3	340	57.8	475	66.0	544	82.6	826	50
RMBL19-190			190.50	6.7	47.6	317	66.7	444	76.2	507	95.3	953	50
RMBL19-305			304.80	4.2	76.2	320	106.7	448	121.9	512	152.4	1524	50

*Deflection values near solid intended for design information ONLY.

The color silver-blue is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R	A		B		C		D*		BOX
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	25% L ₀		35% L ₀		40% L ₀		50% L ₀		Pcs
	mm	mm	mm	± 10% N/mm	mm	N	mm	N	mm	N	mm	N	
RMBL26-025	25.40	12.70	25.40	96.3	6.4	612	8.9	856	10.2	979	12.7		50
RMBL26-032			31.75	78.8	7.9	626	11.1	876	12.7	1001	15.9		50
RMBL26-038			38.10	65.3	9.5	622	13.3	871	15.2	995	19.1		50
RMBL26-044			44.45	56.0	11.1	623	15.6	872	17.8	996	22.2		50
RMBL26-051			50.80	46.9	12.7	596	17.8	834	20.3	954	25.4		50
RMBL26-064			63.50	36.6	15.9	581	22.2	814	25.4	930	31.8		50
RMBL26-076			76.20	29.9	19.1	571	26.7	799	30.5	913	38.1		25
RMBL26-089			88.90	25.4	22.2	564	31.1	790	35.6	903	44.5		25
RMBL26-102			101.60	21.9	25.4	556	35.6	778	40.6	890	50.8		25
RMBL26-115			114.30	19.3	28.6	551	40.0	771	45.7	881	57.2		25
RMBL26-127			127.00	16.8	31.8	534	44.5	747	50.8	854	63.5		25
RMBL26-140			139.70	15.4	34.9	538	48.9	753	55.9	861	69.9		25
RMBL26-152			152.40	14.0	38.1	534	53.3	747	61.0	854	76.2		25
RMBL26-178			177.80	12.6	44.5	560	62.2	785	71.1	897	88.9		25
RMBL26-203			203.20	10.5	50.8	534	71.1	747	81.3	854	101.6		25
RMBL26-305			304.80	7.0	76.2	534	106.7	747	121.9	854	152.4		25
RMBL32-038	31.75	15.88	38.10	86.9	9.5	827	13.3	1158	15.2	1324	19.1		50
RMBL32-044			44.45	71.1	11.1	790	15.6	1106	17.8	1264	22.2		50
RMBL32-051			50.80	65.8	12.7	836	17.8	1171	20.3	1338	25.4		50
RMBL32-064			63.50	50.4	15.9	801	22.2	1121	25.4	1281	31.8		25
RMBL32-076			76.20	42.0	19.1	801	26.7	1121	30.5	1281	38.1		25
RMBL32-089			88.90	35.0	22.2	778	31.1	1090	35.6	1245	44.5		25
RMBL32-102			101.60	30.8	25.4	783	35.6	1096	40.6	1253	50.8		25
RMBL32-115			114.30	28.0	28.6	801	40.0	1121	45.7	1281	57.2		25
RMBL32-127			127.00	25.0	31.8	795	44.5	1113	50.8	1272	63.5		25
RMBL32-140			139.70	22.4	34.9	783	48.9	1096	55.9	1253	69.9		25
RMBL32-152			152.40	21.0	38.1	801	53.3	1121	61.0	1281	76.2		25
RMBL32-178			177.80	18.2	44.5	810	62.2	1133	71.1	1295	88.9		25
RMBL32-203			203.20	15.4	50.8	783	71.1	1096	81.3	1253	101.6		25
RMBL32-254			254.00	12.6	63.5	801	88.9	1121	101.6	1281	127.0		25
RMBL32-305			304.80	10.5	76.2	801	106.7	1121	121.9	1281	152.4		25
RMBL38-051	38.10	19.05	50.80	92.8	12.7	1179	17.8	1650	20.3	1886	25.4		25
RMBL38-064			63.50	74.8	15.9	1187	22.2	1662	25.4	1899	31.8		25
RMBL38-076			76.20	63.0	19.1	1201	26.7	1681	30.5	1922	38.1		25
RMBL38-089			88.90	52.5	22.2	1168	31.1	1635	35.6	1868	44.5		25
RMBL38-102			101.60	43.6	25.4	1108	35.6	1551	40.6	1772	50.8		25
RMBL38-115			114.30	40.3	28.6	1151	40.0	1611	45.7	1841	57.2		25
RMBL38-127			127.00	36.8	31.8	1168	44.5	1635	50.8	1868	63.5		25
RMBL38-140			139.70	32.4	34.9	1131	48.9	1584	55.9	1810	69.9		25
RMBL38-152			152.40	29.8	38.1	1134	53.3	1588	61.0	1815	76.2		25
RMBL38-178			177.80	26.8	44.5	1191	62.2	1668	71.1	1906	88.9		25
RMBL38-203			203.20	23.1	50.8	1174	71.1	1644	81.3	1879	101.6		25
RMBL38-254			254.00	18.6	63.5	1179	88.9	1650	101.6	1886	127.0		25
RMBL38-305			304.80	14.9	76.2	1134	106.7	1588	121.9	1815	152.4		25
RMBL51-064	50.80	25.40	63.50	175.1	15.9	2780	22.2	3892	25.4	4448	31.8		25
RMBL51-076			76.20	145.3	19.1	2769	26.7	3876	30.5	4430	38.1		25
RMBL51-089			88.90	118.5	22.2	2635	31.1	3689	35.6	4216	44.5		25
RMBL51-102			101.60	105.1	25.4	2669	35.6	3736	40.6	4270	50.8		25
RMBL51-115			114.30	92.8	28.6	2652	40.0	3713	45.7	4243	57.2		25
RMBL51-127			127.00	82.3	31.8	2613	44.5	3658	50.8	4181	63.5		25
RMBL51-140			139.70	70.9	34.9	2477	48.9	3468	55.9	3963	69.9		25
RMBL51-152			152.40	68.3	38.1	2602	53.3	3643	61.0	4163	76.2		25
RMBL51-178			177.80	54.6	44.5	2429	62.2	3400	71.1	3886	88.9		25
RMBL51-203			203.20	49.9	50.8	2535	71.1	3550	81.3	4057	101.6		10
RMBL51-254			254.00	37.8	63.5	2402	88.9	3363	101.6	3843	127.0		10
RMBL51-305			304.80	32.4	76.2	2469	106.7	3456	121.9	3950	152.4		10
RMBL63-076	63.50	38.10	76.20	189.3	19.1	3616	26.7	5054	30.5	5774	38.1		15
RMBL63-089			88.90	156.9	22.2	3483	31.1	4880	35.6	5586	44.5		15
RMBL63-102			101.60	133.4	25.4	3388	35.6	4749	40.6	5416	50.8		15
RMBL63-115			114.30	116.7	28.6	3338	40.0	4668	45.7	5333	57.2		15
RMBL63-127			127.00	104.0	31.8	3307	44.5	4628	50.8	5283	63.5		5
RMBL63-140			139.70	93.1	34.9	3249	48.9	4553	55.9	5204	69.9		5
RMBL63-152			152.40	84.3	38.1	3212	53.3	4493	61.0	5142	76.2		5
RMBL63-178			177.80	72.6	44.5	3231	62.2	4516	71.1	5162	88.9		5
RMBL63-203			203.20	62.8	50.8	3190	71.1	4465	81.3	5106	101.6		5
RMBL63-254			254.00	47.1	63.5	2991	88.9	4187	101.6	4785	127.0		5
RMBL63-305			304.80	41.0	76.2	3124	106.7	4375	121.9	4998	152.4		5

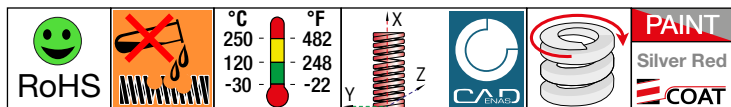
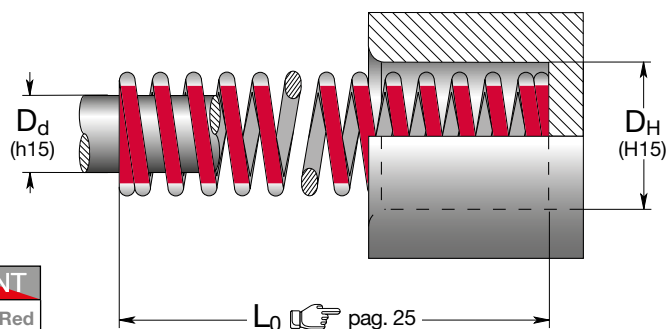
The color silver-blue is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

EN Medium heavy duty die springs
Silver-red color

ES Muelles carga medio-fuerte
Color plateado-rojo

FR Ressorts charge moyenne-forte
Couleur argent-rouge



Part number	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring Rate ± 10%	A 20% L ₀ For Optimum Life	B 25% L ₀ For Long Life	C 30% L ₀ Max. Operating Def.	D* 37% L ₀ Max. Deflection	BOX ↓ Pcs
	mm	mm	mm	N/mm	mm N	mm N	mm N	mm	
RMHR10-025	9.53	4.76	25.40	14.7	5.1 75	6.4 93	7.6 112	9.4	200
RMHR10-032			31.75	12.8	6.4 81	7.9 101	9.5 122	11.7	200
RMHR10-038			38.10	11.7	7.6 89	9.5 112	11.4 134	14.1	100
RMHR10-044			44.45	10.2	8.9 90	11.1 113	13.3 135	16.4	100
RMHR10-051			50.80	8.8	10.2 89	12.7 111	15.2 133	18.8	100
RMHR10-064			63.50	6.5	12.7 82	16.0 104	19.1 124	23.5	100
RMHR10-076			76.20	5.3	15.2 80	19.1 100	22.9 120	28.2	100
RMHR10-305			304.80	1.4	61.0 85	76.2 107	91.4 128	112.8	50
RMHR13-025	12.70	7.14	25.40	27.1	5.1 138	6.4 173	7.6 207	9.4	100
RMHR13-032			31.75	21.4	6.4 136	7.9 168	9.5 204	11.7	100
RMHR13-038			38.10	17.2	7.6 131	9.7 165	11.4 196	14.1	100
RMHR13-044			44.45	14.9	8.9 132	11.1 165	13.3 198	16.4	100
RMHR13-051			50.80	13.1	10.2 133	12.7 167	15.2 200	18.8	100
RMHR13-064			63.50	10.5	12.7 133	15.9 167	19.1 200	23.5	50
RMHR13-076			76.20	8.9	15.2 136	19.1 170	22.9 204	28.2	50
RMHR13-089			88.90	7.0	17.8 125	22.2 156	26.7 187	32.9	50
RMHR13-102			101.60	6.4	20.3 130	25.4 163	30.5 195	37.6	50
RMHR13-305			304.80	1.9	61.0 117	76.2 147	91.4 176	112.8	50
RMHR16-025	15.88	8.73	25.40	52.5	5.1 267	6.4 334	7.6 400	9.4	100
RMHR16-032			31.75	37.7	6.4 239	7.9 299	9.5 359	11.7	100
RMHR16-038			38.10	33.3	7.6 254	9.5 317	11.4 380	14.1	100
RMHR16-044			44.45	29.4	8.9 262	11.1 327	13.3 392	16.4	50
RMHR16-051			50.80	27.1	10.2 276	12.7 345	15.2 414	18.8	50
RMHR16-064			63.50	20.1	12.7 256	15.9 320	19.1 384	23.5	50
RMHR16-076			76.20	17.5	15.2 267	19.1 334	22.9 400	28.2	50
RMHR16-089			88.90	14.9	17.8 265	22.2 331	26.7 397	32.9	50
RMHR16-102			101.60	13.3	20.3 270	25.4 338	30.5 406	37.6	50
RMHR16-115			114.30	11.5	22.9 263	28.7 330	34.3 395	42.3	50
RMHR16-305			304.80	4.6	61.0 278	76.2 347	91.4 416	112.8	50
RMHR19-025	19.05	9.53	25.40	87.6	5.1 445	6.4 556	7.6 667	9.4	50
RMHR19-032			31.75	66.5	6.4 423	7.9 528	9.5 634	11.7	50
RMHR19-038			38.10	54.3	7.6 414	9.7 524	11.4 620	14.1	50
RMHR19-044			44.45	47.3	8.9 420	11.2 528	13.3 631	16.4	50
RMHR19-051			50.80	42.0	10.2 427	12.7 534	15.2 641	18.8	50
RMHR19-064			63.50	32.9	12.7 418	16.0 527	19.1 627	23.5	50
RMHR19-076			76.20	26.1	15.2 398	19.1 497	22.9 596	28.2	50
RMHR19-089			88.90	22.4	17.8 399	22.2 498	26.7 598	32.9	50
RMHR19-102			101.60	19.3	20.3 391	25.4 489	30.5 587	37.6	50
RMHR19-115			114.30	17.5	22.9 400	28.7 503	34.3 600	42.3	50
RMHR19-127			127.00	15.8	25.4 400	31.8 500	38.1 600	47.0	50
RMHR19-140			139.70	14.0	27.9 391	34.9 489	41.9 587	51.7	50
RMHR19-152			152.40	13.1	30.5 400	38.1 500	45.7 600	56.4	50
RMHR19-305			304.80	6.1	61.0 374	76.2 467	91.4 560	112.8	50

*Deflection values near solid intended for design information ONLY.

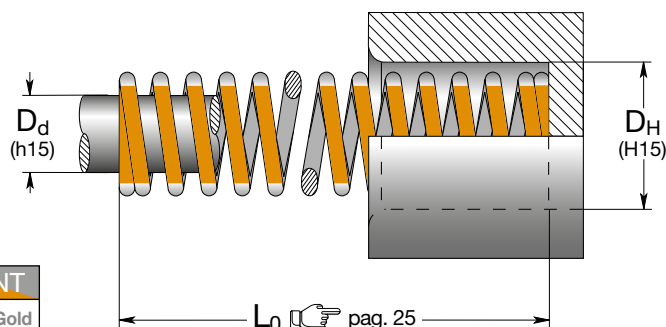
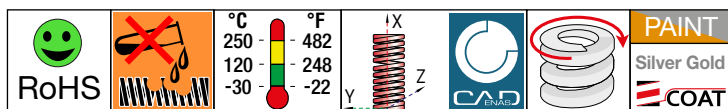
The color silver-red is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R	A		B		C		D*		BOX
	Hole Diameter	Rod Diameter	Free Length	Spring Rate	20% L ₀		25% L ₀		30% L ₀		37% L ₀		↓
	mm	mm	mm	± 10% N/mm	mm	N	mm	N	mm	N	mm	N	Pcs
RMHR26-025	25.40	12.70	25.40	144.8	5.1	736	6.4	920	7.6	1104	9.4		50
RMHR26-032			31.75	114.3	6.4	726	7.9	900	9.5	1089	11.7		50
RMHR26-038			38.10	94.2	7.6	718	9.7	909	11.4	1077	14.1		50
RMHR26-044			44.45	80.7	8.9	718	11.2	902	13.3	1076	16.4		50
RMHR26-051			50.80	70.0	10.2	712	12.7	890	15.2	1068	18.8		50
RMHR26-064			63.50	56.4	12.7	716	16.0	902	19.1	1074	23.5		50
RMHR26-076			76.20	46.8	15.2	713	19.1	891	22.9	1069	28.2		25
RMHR26-089			88.90	40.1	17.8	713	22.4	896	26.7	1070	32.9		25
RMHR26-102			101.60	35.4	20.3	719	25.4	898	30.5	1078	37.6		25
RMHR26-115			114.30	31.2	22.9	713	28.7	894	34.3	1069	42.3		25
RMHR26-127			127.00	27.5	25.4	698	31.8	873	38.1	1048	47.0		25
RMHR26-140			139.70	24.0	27.9	670	34.9	838	41.9	1006	51.7		25
RMHR26-152			152.40	21.9	30.5	667	38.1	834	45.7	1001	56.4		25
RMHR26-178			177.80	19.1	35.6	679	44.5	849	53.3	1018	65.8		25
RMHR26-203	31.75	15.88	203.20	16.8	40.6	683	50.8	854	61.0	1025	75.2		25
RMHR26-305			304.80	11.4	61.0	694	76.2	867	91.4	1041	112.8		25
RMHR32-038			38.10	200.3	7.6	1527	9.5	1908	11.4	2290	14.1		50
RMHR32-044			44.45	176.5	8.9	1569	11.1	1962	13.3	2354	16.4		50
RMHR32-051			50.80	146.7	10.2	1491	12.7	1864	15.2	2236	18.8		50
RMHR32-064			63.50	109.3	12.7	1388	15.9	1735	19.1	2082	23.5		25
RMHR32-076			76.20	89.7	15.2	1366	19.1	1708	22.9	2050	28.2		25
RMHR32-089			88.90	77.1	17.8	1370	22.2	1712	26.7	2055	32.9		25
RMHR32-102			101.60	66.7	20.3	1356	25.4	1695	30.5	2034	37.6		25
RMHR32-115			114.30	57.6	22.9	1317	28.7	1654	34.3	1976	42.3		25
RMHR32-127			127.00	52.5	25.4	1334	31.8	1668	38.1	2002	47.0		25
RMHR32-140			139.70	46.2	27.9	1292	34.9	1612	41.9	1938	51.7		25
RMHR32-152			152.40	43.8	30.5	1334	38.1	1668	45.7	2002	56.4		25
RMHR32-178			177.80	36.8	35.6	1308	44.5	1635	53.3	1962	65.8		25
RMHR32-203	38.10	19.05	203.20	32.2	40.6	1309	50.8	1637	61.0	1964	75.2		25
RMHR32-254			254.00	25.4	50.8	1290	63.5	1612	76.2	1935	94.0		25
RMHR32-305			304.80	21.7	61.0	1324	76.2	1655	91.4	1986	112.8		25
RMHR38-051			50.80	180.4	10.2	1833	12.7	2291	15.2	2749	18.8		25
RMHR38-064			63.50	142.2	12.7	1806	16.0	2276	19.1	2709	23.5		25
RMHR38-076			76.20	109.3	15.2	1665	19.1	2082	22.9	2498	28.2		25
RMHR38-089			88.90	94.6	17.8	1681	22.4	2114	26.7	2522	32.9		25
RMHR38-102			101.60	81.4	20.3	1655	25.4	2068	30.5	2482	37.6		25
RMHR38-115			114.30	71.8	22.9	1641	28.7	2061	34.3	2462	42.3		25
RMHR38-127			127.00	64.4	25.4	1637	31.8	2046	38.1	2455	47.0		25
RMHR38-140			139.70	57.8	27.9	1615	34.9	2017	41.9	2422	51.7		25
RMHR38-152			152.40	51.7	30.5	1575	38.1	1968	45.7	2362	56.4		25
RMHR38-178			177.80	44.7	35.6	1588	44.5	1985	53.3	2382	65.8		25
RMHR38-203	50.80	25.40	203.20	38.5	40.6	1566	50.8	1957	61.0	2349	75.2		25
RMHR38-254			254.00	30.8	50.8	1566	63.5	1957	76.2	2349	94.0		25
RMHR38-305			304.80	25.2	61.0	1537	76.2	1922	91.4	2306	112.8		25
RMHR51-064			63.50	207.3	12.7	2633	15.9	3292	19.1	3950	23.5		25
RMHR51-076			76.20	162.8	15.2	2482	19.1	3102	22.9	3723	28.2		25
RMHR51-089			88.90	136.9	17.8	2435	22.4	3061	26.7	3652	32.9		25
RMHR51-102			101.60	116.3	20.3	2363	25.4	2953	30.5	3544	37.6		25
RMHR51-115			114.30	105.1	22.9	2402	28.6	3002	34.3	3603	42.3		25
RMHR51-127			127.00	93.5	25.4	2375	31.8	2969	38.1	3563	47.0		25
RMHR51-140			139.70	85.8	27.9	2397	34.9	2994	41.9	3596	51.7		25
RMHR51-152			152.40	78.8	30.5	2402	38.1	3002	45.7	3603	56.4		25
RMHR51-178			177.80	65.5	35.6	2329	44.5	2911	53.3	3493	65.8		25
RMHR51-203	63.50	38.10	203.20	57.8	40.6	2349	50.8	2936	61.0	3523	75.2		10
RMHR51-254			254.00	45.5	50.8	2313	63.5	2891	76.2	3469	94.0		10
RMHR51-305			304.80	37.6	61.0	2295	76.2	2869	91.4	3443	112.8		10
RMHR63-076			76.20	300.1	15.2	4562	19.1	5732	22.9	6872	28.2		15
RMHR63-089			88.90	256.0	17.8	4557	22.2	5683	26.7	6835	32.9		15
RMHR63-102			101.60	225.0	20.3	4568	25.4	5715	30.5	6863	37.6		15
RMHR63-115			114.30	196.0	22.9	4488	28.6	5606	34.3	6723	42.3		15
RMHR63-127			127.00	176.0	25.4	4470	31.8	5597	38.1	6706	47.0		5
RMHR63-140			139.70	159.0	27.9	4436	34.9	5549	41.9	6662	51.7		5
RMHR63-152			152.40	144.0	30.5	4392	38.1	5486	45.7	6581	56.4		5
RMHR63-178			177.80	120.0	35.6	4272	44.5	5340	53.3	6396	65.8		5
RMHR63-203	63.50	38.10	203.20	104.5	40.6	4243	50.8	5309	61.0	6375	75.2		5
RMHR63-229			228.60	92.0	45.7	4204	57.2	5262	68.6	6311	84.6		5
RMHR63-254			254.00	82.0	50.8	4166	63.5	5207	76.2	6248	94.0		5
RMHR63-305			304.80	66.0	61.0	4026	76.2	5029	91.4	6032	112.8		5

The color silver-red is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

FR Ressorts charge forte
Couleur argent-or



Part number	D _H	D _d	L ₀	R	 A	 B	 C	D*	BOX ↓ 			
	Hole Diameter	Hole Diameter	Free Length	Spring Rate	15% L ₀	20% L ₀	25% L ₀	30% L ₀				
				± 10%	For Optimum Life	For Long Life	Max. Operating Def.	Max. Deflection				
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	Pcs
RHGO10-025	9.53	4.76	25.40	20.3	3.8	77	5.1	103	6.4	129	7.6	200
RHGO10-032			31.75	17.2	4.8	83	6.4	109	7.9	135	9.5	200
RHGO10-038			38.10	14.0	5.8	82	7.6	107	9.7	135	11.4	100
RHGO10-044			44.45	13.1	6.6	87	8.9	117	11.2	147	13.3	100
RHGO10-051			50.80	10.9	7.6	83	10.2	110	12.7	138	15.2	100
RHGO10-064			63.50	8.8	9.7	85	12.7	111	16.0	140	19.1	100
RHGO10-076			76.20	7.2	11.4	82	15.2	109	19.1	137	22.9	100
RHGO10-305			304.80	1.9	45.7	88	61.0	117	76.2	147	91.4	50
RHGO13-025	12.70	7.14	25.40	39.4	3.8	150	5.1	200	6.4	250	7.6	100
RHGO13-032			31.75	31.9	4.8	154	6.4	202	7.9	251	9.5	100
RHGO13-038			38.10	25.9	5.8	151	7.6	197	9.7	250	11.4	100
RHGO13-044			44.45	22.1	6.6	146	8.9	196	11.2	246	13.3	100
RHGO13-051			50.80	19.3	7.6	147	10.2	196	12.7	245	15.2	100
RHGO13-064			63.50	15.1	9.7	145	12.7	191	16.0	241	19.1	50
RHGO13-076			76.20	13.0	11.4	148	15.2	197	19.1	247	22.9	50
RHGO13-089			88.90	10.5	13.5	141	17.8	187	22.4	235	26.7	50
RHGO13-102			101.60	9.3	15.2	141	20.3	189	25.4	236	30.5	50
RHGO13-305			304.80	3.0	45.7	136	61.0	181	76.2	227	91.4	50
RHGO16-025	15.88	8.73	25.40	74.2	3.8	283	5.1	377	6.4	471	7.6	100
RHGO16-032			31.75	56.9	4.8	275	6.4	362	7.9	448	9.5	100
RHGO16-038			38.10	49.0	5.8	286	7.6	374	9.7	473	11.4	100
RHGO16-044			44.45	42.0	6.6	278	8.9	374	11.2	470	13.3	50
RHGO16-051			50.80	36.4	7.6	278	10.2	370	12.7	463	15.2	50
RHGO16-064			63.50	29.8	9.7	287	12.7	378	16.0	476	19.1	50
RHGO16-076			76.20	24.5	11.4	280	15.2	374	19.1	467	22.9	50
RHGO16-089			88.90	21.4	13.5	288	17.8	380	22.4	478	26.7	50
RHGO16-102			101.60	18.9	15.2	288	20.3	384	25.4	480	30.5	50
RHGO16-115			114.30	16.7	17.3	288	22.9	382	28.7	479	34.3	50
RHGO16-305	304.80	5.3	45.7	240	61.0	320	76.2	400	91.4	50		
RHGO19-025	19.05	9.53	25.40	189.1	3.8	721	5.1	961	6.4	1201	6.9	50
RHGO19-032			31.75	154.1	4.8	744	6.4	979	7.9	1213	8.9	50
RHGO19-038			38.10	120.8	5.8	706	7.6	921	9.7	1166	11.4	50
RHGO19-044			44.45	105.1	6.6	694	8.9	934	11.2	1174	13.3	50
RHGO19-051			50.80	90.2	7.6	687	10.2	916	12.7	1145	15.2	50
RHGO19-064			63.50	70.0	9.7	676	12.7	890	16.0	1121	19.1	50
RHGO19-076			76.20	57.8	11.4	661	15.2	881	19.1	1101	22.9	50
RHGO19-089			88.90	50.8	13.5	684	17.8	903	22.4	1135	26.7	50
RHGO19-102			101.60	43.8	15.2	667	20.3	890	25.4	1112	30.5	50
RHGO19-115			114.30	38.5	17.3	665	22.9	881	28.7	1106	34.3	50
RHGO19-127			127.00	34.1	19.1	651	25.4	867	31.8	1084	38.1	50
RHGO19-140			139.70	31.2	21.1	657	27.9	871	35.1	1092	41.9	50
RHGO19-152			152.40	28.0	22.9	641	30.5	854	38.1	1068	45.7	50
RHGO19-305	304.80	14.0	45.7	641	61.0	854	76.2	1068	91.4	50		

The color silver-gold is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R	 A	 B	 C	 D*	BOX ↓ 
	Hole Diameter	Rod Diameter	Free Length	Spring Rate ± 10%	15% L ₀ For Optimum Life	20% L ₀ For Long Life	25% L ₀ Max. Operating Def.	30% L ₀ Max. Deflection	
	mm	mm	mm	N/mm	mm N	mm N	mm N	mm	Pcs
RHGO26-025	25.40	12.70	25.40	338.3	3.8 1289	5.1 1719	6.4 2148	6.9	50
RHGO26-032			31.75	256.5	4.8 1238	6.4 1629	7.9 2020	9.5	50
RHGO26-038			38.10	210.1	5.8 1228	7.6 1601	9.7 2028	11.4	50
RHGO26-044			44.45	182.1	6.6 1203	8.9 1619	11.2 2035	13.3	50
RHGO26-051			50.80	152.7	7.6 1164	10.2 1551	12.7 1939	15.2	50
RHGO26-064			63.50	116.4	9.7 1124	12.7 1479	16.0 1864	19.1	50
RHGO26-076			76.20	95.3	11.4 1089	15.2 1452	19.1 1815	22.9	25
RHGO26-089			88.90	79.8	13.5 1075	17.8 1420	22.4 1785	26.7	25
RHGO26-102			101.60	70.0	15.2 1068	20.3 1423	25.4 1779	30.5	25
RHGO26-115			114.30	61.6	17.3 1065	22.9 1409	28.7 1769	34.3	25
RHGO26-127			127.00	54.6	19.1 1041	25.4 1388	31.8 1735	38.1	25
RHGO26-140			139.70	50.4	21.1 1063	27.9 1409	35.1 1768	41.9	25
RHGO26-152			152.40	44.8	22.9 1025	30.5 1366	38.1 1708	45.7	25
RHGO26-178			177.80	39.2	26.7 1046	35.6 1395	44.5 1744	53.3	25
RHGO26-203			203.20	33.6	30.5 1025	40.6 1366	50.8 1708	61.0	25
RHGO26-305			304.80	22.4	45.7 1025	61.0 1366	76.2 1708	91.4	25
RHGO32-038	31.75	15.88	38.10	385.2	5.8 2251	7.6 2936	9.7 3719	11.4	50
RHGO32-044			44.45	318.0	6.6 2100	8.9 2827	11.2 3554	13.3	50
RHGO32-051			50.80	261.9	7.6 1996	10.2 2662	12.7 3327	14.5	50
RHGO32-064			63.50	205.9	9.7 1988	12.7 2615	16.0 3296	19.1	25
RHGO32-076			76.20	166.7	11.4 1906	15.2 2541	19.1 3176	22.9	25
RHGO32-089			88.90	136.6	13.5 1839	17.8 2429	22.4 3053	26.7	25
RHGO32-102			101.60	116.3	15.2 1772	20.3 2363	25.4 2953	30.5	25
RHGO32-115			114.30	102.3	17.3 1766	22.9 2338	28.7 2935	34.3	25
RHGO32-127			127.00	92.8	19.1 1768	25.4 2357	31.8 2947	38.1	25
RHGO32-140			139.70	82.6	21.1 1743	27.9 2309	35.1 2897	41.9	25
RHGO32-152			152.40	78.8	22.9 1801	30.5 2402	38.1 3002	45.7	25
RHGO32-178			177.80	64.4	26.7 1719	35.6 2292	44.5 2865	53.3	25
RHGO32-203			203.20	57.4	30.5 1751	40.6 2334	50.8 2918	61.0	25
RHGO32-254			254.00	44.8	38.1 1708	50.8 2277	63.5 2847	76.2	25
RHGO32-305			304.80	38.5	45.7 1761	61.0 2349	76.2 2936	91.4	25
RHGO38-051	38.10	19.05	50.80	346.7	7.6 2642	10.2 3523	12.7 4404	15.2	25
RHGO38-064			63.50	271.4	9.7 2620	12.7 3447	16.0 4343	19.1	25
RHGO38-076			76.20	227.6	11.4 2602	15.2 3469	19.1 4337	22.9	25
RHGO38-089			88.90	186.3	13.5 2508	17.8 3313	22.4 4165	26.7	25
RHGO38-102			101.60	159.7	15.2 2434	20.3 3245	25.4 4057	30.5	25
RHGO38-115			114.30	142.9	17.3 2468	22.9 3267	28.7 4102	34.3	25
RHGO38-127			127.00	127.8	19.1 2435	25.4 3247	31.8 4059	38.1	25
RHGO38-140			139.70	117.3	21.1 2474	27.9 3278	35.1 4113	41.9	25
RHGO38-152			152.40	102.3	22.9 2338	30.5 3117	38.1 3896	45.7	25
RHGO38-178			177.80	86.8	26.7 2317	35.6 3089	44.5 3861	53.3	25
RHGO38-203			203.20	75.6	30.5 2306	40.6 3074	50.8 3843	61.0	25
RHGO38-254			254.00	63.4	38.1 2415	50.8 3220	63.5 4025	76.2	25
RHGO38-305			304.80	52.5	45.7 2402	61.0 3203	76.2 4003	91.4	25
RHGO51-064	50.80	25.40	63.50	439.9	9.7 4246	12.7 5587	16.0 7039	19.1	25
RHGO51-076			76.20	360.7	11.4 4123	15.2 5498	19.1 6872	22.9	25
RHGO51-089			88.90	297.7	13.5 4008	17.8 5293	22.4 6654	26.7	25
RHGO51-102			101.60	262.7	15.2 4003	20.3 5338	25.4 6672	30.5	25
RHGO51-115			114.30	222.7	17.3 3848	22.9 5092	28.7 6394	34.3	25
RHGO51-127			127.00	207.7	19.1 3956	25.4 5275	31.8 6594	38.1	25
RHGO51-140			139.70	188.6	21.1 3976	27.9 5270	35.1 6611	41.9	25
RHGO51-152			152.40	171.1	22.9 3911	30.5 5215	38.1 6519	45.7	25
RHGO51-178			177.80	143.6	26.7 3830	35.6 5106	44.5 6383	53.3	25
RHGO51-203			203.20	127.8	30.5 3896	40.6 5195	50.8 6494	61.0	10
RHGO51-254			254.00	100.2	38.1 3816	50.8 5089	63.5 6361	76.2	10
RHGO51-305			304.80	83.5	45.7 3819	61.0 5092	76.2 6365	91.4	10

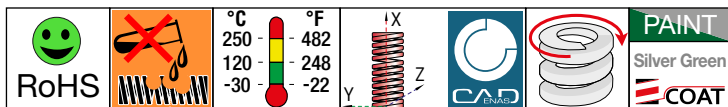
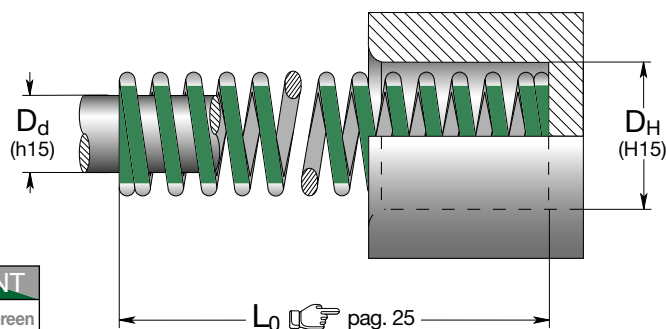
The color silver-gold is a registered trademark of Special Springs Srl.

*Deflection values near solid intended for design information ONLY.

EN Extra heavy duty die springs
Silver-green color

ES Muelles carga extra-fuerte
Color platerado-verde

FR Ressorts charge extra-forte
Couleur argent-vert



Part number	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring Rate	A 15% L ₀		B 17% L ₀		C 20% L ₀		D* 25% L ₀		BOX ↓ Pcs
					± 10%	For Optimum Life	For Long Life		Max. Operating Def.		Max. Deflection		
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm	N	
RXHG10-025	9.53	4.76	25.40	36.8	3.8	140	4.3	159	5.1	187	6.4	200	200
RXHG10-032			31.75	25.6	4.8	123	5.3	137	6.4	162	7.9	200	200
RXHG10-038			38.10	21.9	5.8	128	6.6	145	7.6	167	9.5	100	100
RXHG10-044			44.45	18.4	6.6	121	7.6	140	8.9	164	11.1	100	100
RXHG10-051			50.80	15.8	7.6	120	8.6	136	10.2	160	12.7	100	100
RXHG10-064			63.50	13.1	9.7	127	10.9	144	12.7	167	15.9	100	100
RXHG10-076			76.20	11.0	11.4	126	13.0	143	15.2	168	19.1	100	100
RXHG10-305			304.80	2.6	45.7	120	51.8	136	61.0	160	76.2	50	50
RXHG13-025	12.70	7.14	25.40	54.3	3.8	207	4.3	234	5.1	276	6.4	100	100
RXHG13-032			31.75	42.0	4.8	203	5.3	224	6.4	267	7.9	100	100
RXHG13-038			38.10	33.6	5.8	197	6.6	222	7.6	256	9.5	100	100
RXHG13-044			44.45	29.8	6.6	197	7.6	227	8.9	265	11.1	100	100
RXHG13-051			50.80	24.5	7.6	187	8.6	212	10.2	249	12.7	100	100
RXHG13-064			63.50	20.1	9.7	194	10.9	220	12.7	256	15.9	50	50
RXHG13-076			76.20	16.5	11.4	188	13.0	213	15.2	251	19.1	50	50
RXHG13-089			88.90	14.0	13.5	189	15.2	214	17.8	249	22.2	50	50
RXHG13-102			101.60	12.5	15.2	190	17.3	216	20.3	254	25.4	50	50
RXHG13-305			304.80	4.2	45.7	192	51.8	218	61.0	256	76.2	50	50
RXHG16-025	15.88	8.73	25.40	110.3	3.8	420	4.3	476	5.1	560	6.4	100	100
RXHG16-032			31.75	76.7	4.8	370	5.3	409	6.4	487	7.9	100	100
RXHG16-038			38.10	64.8	5.8	379	6.6	428	7.6	494	9.5	100	100
RXHG16-044			44.45	54.3	6.6	359	7.6	414	8.9	483	11.1	50	50
RXHG16-051			50.80	49.0	7.6	374	8.6	423	10.2	498	12.7	50	50
RXHG16-064			63.50	38.5	9.7	372	10.9	421	12.7	489	15.9	50	50
RXHG16-076			76.20	33.3	11.4	380	13.0	431	15.2	507	19.1	50	50
RXHG16-089			88.90	27.0	13.5	363	15.2	411	17.8	479	22.2	50	50
RXHG16-102			101.60	23.6	15.2	360	17.3	408	20.3	480	25.4	50	50
RXHG16-115			114.30	21.1	17.3	365	19.6	414	22.9	483	28.6	50	50
RXHG16-305			304.80	7.9	45.7	360	51.8	408	61.0	480	76.2	50	50
RXHG19-025	19.05	9.53	25.40	245.1	3.8	934	4.3	1059	5.1	1245	6.4	50	50
RXHG19-032			31.75	192.6	4.8	930	5.3	1027	6.4	1223	7.9	50	50
RXHG19-038			38.10	155.8	5.8	911	6.6	1029	7.6	1188	9.5	50	50
RXHG19-044			44.45	131.3	6.6	867	7.6	1001	8.9	1168	11.1	50	50
RXHG19-051			50.80	115.6	7.6	881	8.6	998	10.2	1174	12.7	50	50
RXHG19-064			63.50	87.6	9.7	845	10.9	956	12.7	1112	15.9	50	50
RXHG19-076			76.20	70.9	11.4	811	13.0	919	15.2	1081	19.1	50	50
RXHG19-089			88.90	60.4	13.5	814	15.2	921	17.8	1074	22.2	50	50
RXHG19-102			101.60	52.5	15.2	801	17.3	907	20.3	1068	25.4	50	50
RXHG19-115			114.30	46.4	17.3	802	19.6	908	22.9	1061	28.6	50	50
RXHG19-127			127.00	41.1	19.1	784	21.6	889	25.4	1045	31.8	50	50
RXHG19-140			139.70	37.6	21.1	794	23.9	899	27.9	1052	34.9	50	50
RXHG19-152			152.40	34.1	22.9	781	25.9	885	30.5	1041	38.1	50	50
RXHG19-305			304.80	16.6	45.7	761	51.8	862	61.0	1014	76.2	50	50

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The color silver-green is a registered trademark of Special Springs Srl.

Part number	D _H	D _d	L ₀	R		A		B		C		D*	BOX
	Hole Diameter	Rod Diameter	Free Length	Spring Rate		15% L ₀		17% L ₀		20% L ₀		25% L ₀	
				± 10%		For Optimum Life		For Long Life		Max. Operating Def.		Max. Deflection	
	mm	mm	mm	N/mm	mm	N	mm	N	mm	N	mm		Pcs
RXHG26-025	25.40	12.70	25.40	426.8	3.8	1622	4.3	1835	5.1	2177	6.4	50	
RXHG26-032			31.75	328.6	4.8	1577	5.3	1742	6.4	2103	7.9	50	
RXHG26-038			38.10	280.2	5.8	1637	6.6	1850	7.6	2135	9.5	50	
RXHG26-044			44.45	234.5	6.6	1548	7.6	1782	8.9	2087	11.1	50	
RXHG26-051			50.80	203.1	7.6	1548	8.6	1754	10.2	2064	12.7	50	
RXHG26-064			63.50	156.9	9.7	1515	10.9	1714	12.7	1993	15.9	50	
RXHG26-076			76.20	128.9	11.4	1473	13.0	1670	15.2	1964	19.1	25	
RXHG26-089			88.90	109.3	13.5	1471	15.2	1665	17.8	1943	22.2	25	
RXHG26-102			101.60	96.7	15.2	1473	17.3	1670	20.3	1964	25.4	25	
RXHG26-115			114.30	85.4	17.3	1476	19.6	1672	22.9	1954	28.6	25	
RXHG26-127			127.00	75.6	19.1	1441	21.6	1633	25.4	1922	31.8	25	
RXHG26-140			139.70	68.9	21.1	1454	23.9	1647	27.9	1922	34.9	25	
RXHG26-152			152.40	63.0	22.9	1441	25.9	1633	30.5	1922	38.1	25	
RXHG26-178			177.80	53.4	26.7	1426	30.2	1613	35.6	1901	44.5	25	
RXHG26-203	203.20	46.5	30.5	1418	34.5	1604	40.6	1888	50.8	25			
RXHG26-305	304.80	30.8	45.7	1409	51.8	1597	61.0	1879	76.2	25			
RXHG32-038	31.75	15.88	38.10	471.1	5.8	2732	6.6	3109	7.6	3580	9.5	50	
RXHG32-044			44.45	415.0	6.6	2739	7.6	3154	8.9	3694	11.1	25	
RXHG32-051			50.80	359.0	7.6	2736	8.6	3100	10.2	3647	12.7	50	
RXHG32-064			63.50	267.0	9.7	2578	10.9	2917	12.7	3392	15.9	25	
RXHG32-076			76.20	213.6	11.4	2442	13.0	2768	15.2	3256	19.1	25	
RXHG32-089			88.90	190.0	13.5	2558	15.2	2896	17.8	3378	22.2	25	
RXHG32-102			101.60	155.8	15.2	2375	17.3	2692	20.3	3167	25.4	25	
RXHG32-115			114.30	146.2	17.3	2526	19.6	2860	22.9	3343	28.6	25	
RXHG32-127			127.00	122.6	19.1	2335	21.6	2647	25.4	3114	31.8	25	
RXHG32-140			139.70	110.0	21.1	2321	23.9	2629	27.9	3069	34.9	25	
RXHG32-152			152.40	100.7	22.9	2302	25.9	2609	30.5	3069	38.1	25	
RXHG32-178			177.80	90.0	26.7	2403	30.2	2718	35.6	3204	44.5	25	
RXHG32-203			203.20	80.5	30.5	2455	34.5	2783	40.6	3274	50.8	25	
RXHG32-254			254.00	60.4	38.1	2302	43.2	2609	50.8	3069	63.5	25	
RXHG32-305	304.80	47.3	45.7	2162	51.8	2450	61.0	2882	76.2	25			
RXHG38-051	38.10	19.05	50.80	715.3	7.6	5451	8.6	6178	10.2	7268	11.4	25	
RXHG38-064			63.50	575.2	9.7	5552	10.9	6283	12.7	7306	15.9	25	
RXHG38-076			76.20	446.5	11.4	5104	13.0	5785	15.2	6805	19.1	25	
RXHG38-089			88.90	373.8	13.5	5033	15.2	5698	17.8	6648	22.2	25	
RXHG38-102			101.60	323.1	15.2	4924	17.3	5580	20.3	6565	25.4	25	
RXHG38-115			114.30	284.5	17.3	4915	19.6	5566	22.9	6505	28.6	25	
RXHG38-127			127.00	253.9	19.1	4837	21.6	5482	25.4	6450	31.8	25	
RXHG38-140			139.70	229.0	21.1	4832	23.9	5473	27.9	6389	34.9	25	
RXHG38-152			152.40	211.0	22.9	4824	25.9	5467	30.5	6432	38.1	25	
RXHG38-178			177.80	180.0	26.7	4806	30.2	5436	35.6	6408	44.5	25	
RXHG38-203			203.20	158.5	30.5	4831	34.5	5475	40.6	6441	50.8	25	
RXHG38-254			254.00	124.3	38.1	4737	43.2	5369	50.8	6316	63.5	25	
RXHG38-305			304.80	96.3	45.7	4404	51.8	4991	61.0	5871	76.2	25	
RXHG51-064			50.80	25.40	63.50	719.7	9.7	6947	10.9	7861	12.7	9141	15.2
RXHG51-076	76.20	558.6			11.4	6385	13.0	7236	15.2	8513	17.8	25	
RXHG51-089	88.90	484.0			13.5	6516	15.2	7377	17.8	8606	22.2	25	
RXHG51-102	101.60	404.7			15.2	6168	17.3	6990	20.3	8223	24.6	25	
RXHG51-115	114.30	330.6			17.3	5710	19.6	6467	22.9	7558	28.6	25	
RXHG51-127	127.00	315.9			19.1	6018	21.6	6821	25.4	8024	31.8	25	
RXHG51-140	139.70	280.0			21.1	5908	23.9	6692	27.9	7812	34.9	25	
RXHG51-152	152.40	257.9			22.9	5897	25.9	6683	30.5	7862	38.1	25	
RXHG51-178	177.80	220.0			26.7	5874	30.2	6644	35.6	7832	44.5	25	
RXHG51-203	203.20	195.4			30.5	5957	34.5	6751	40.6	7942	50.8	10	
RXHG51-254	254.00	154.8			38.1	5898	43.2	6684	50.8	7864	63.5	10	
RXHG51-305	304.80	124.7	45.7	5701	51.8	6461	61.0	7601	76.2	10			

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NOTES



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