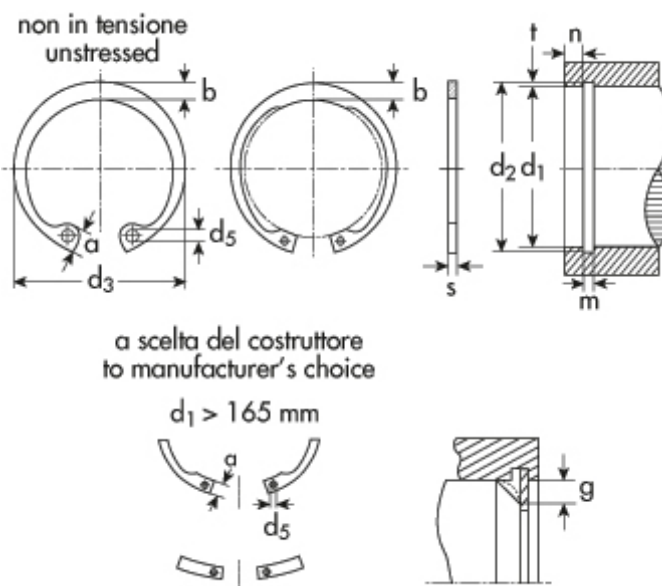


**RETAINING RINGS**
**Material:** Spring steel

**Hardness:**
**SURFACE FINISHES**  
 Phosphated and oiled  
 Blackened and oiled  
 Manufacturer's choice

**Example of designation:**  
 ring type JM 20 IMPILATI

 DIN 472  
 UNI 3654-7437  
 Type JM - for bores-stacked


$d_1$ =bore diameter  
 $d_2$ =groove diameter  
 $d_3$ =ring diameter in the unstressed state  
 $s$ =thickness

d1	Description	Price euro /100	% Price Change		Package
			1	2	
29.00	JM 29 impilati	on demand	-	-	-

RING		GROOVE		SUPPLEMENTARY DATA	
$d_1$	29.00	$d_2$	30.4	n	2.1
s	1.20	tole $d_2$	0.25	FN (kN)	10.90
tole s	-0.06	m	1.30	FR (kN)	13.6
$d_3$	31.1	t	0.70	g	1.0
tole $d_3$	+0.50 -0.25			FRg (kN)	4.6
a max	4.8			AN (mm <sup>2</sup> )	65.3
b ~	3.0			K (kN.mm)	26.8
$d_5$ min	2.0			plier	ZGJ 2
weight kg/1000	1.880				

Technical informations are indicative and can be updated.

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**GANDINI FASTENERS SRL** viale Pier Paolo Pasolini, 83 - 20099 Sesto S.Giovanni Milano Italy  
 Tel. +39 02 241 047 250 Fax +39 02 241 047 74

 Production and distribution  
 of fasteners, fixing elements  
 and mechanical parts  
 machining

**GANDINI FASTENERS SRL**  
 viale Pier Paolo Pasolini, 83  
 Sesto San Giovanni Mi - Italy

**Sales department**  
 250@gandini.it  
 tel +39 02 241 047 250

**Administration**  
 350@gandini.it  
 tel +39 02 241 047 350