



BLACKIRON
ITALY





BLACKIRON
ITALY

As fine as strong



COMPANY PROFILE

BLACKIRON è un brand "Made in Italy" nato col preciso scopo di soddisfare tutte quelle esigenze applicative che spesso si riscontrano durante le attività di serraggio per torsione, ma non solo.

Infatti, per rispondere alle necessità più disparate, BLACKIRON è in grado di realizzare qualunque tipo di adattatore interposto tra utensile e bullone.

BLACKIRON è conosciuta principalmente per le chiavi a bussola di tipo "impact" e relativi accessori sia standard che dedicati. Il nostro punto di forza, però, è nella capacità di realizzare prodotti speciali su richiesta, in base ad applicazioni ed esigenze specifiche.

L'ufficio tecnico BLACKIRON supporta il cliente in tutte le fasi di sviluppo del prodotto: dal concept iniziale alla progettazione, fino ad arrivare alla realizzazione fisica.

La nostra produzione utilizza macchine utensili a controllo numerico di alta qualità in grado di realizzare prodotti resistenti e performanti, nel rispetto di tutti gli standard qualitativi.

Gli acciai da noi utilizzati sono sempre alto legati, di provenienza europea ed ogni barra è certificata singolarmente.

Oltre alle normali lavorazioni meccaniche per asporto, il nostro processo produttivo prevede principalmente la modellazione degli acciai tramite stampaggio, tale procedimento garantisce una maggiore precisione dei poligoni e soprattutto una superiore resistenza alla fatica.

BLACKIRON si fregia di essere un prodotto 100% "Made in Italy". Impieghiamo solo materia prima italiana e tutte le lavorazioni e i trattamenti sono effettuati sul territorio nazionale.

Siamo fermamente convinti, infatti, che la produzione italiana sia ancora oggi sinonimo di qualità in un mercato globale sempre più preda di concorrenti stranieri che hanno nel pricing aggressivo il loro unico punto di forza.

Tutti nostri prodotti sono costruiti seguendo tutti gli standard normativi esistenti e, in particolare, nel rispetto delle norme UNI-ISO 1174 & DIN 3121.



COMPANY PROFILE

BLACKIRON is an Italian brand, designed to answer to bolting and tightening operations issues. In fact, BLACKIRON manufactures any adapter to be placed between the tool and the bolt.

BLACKIRON is focused on the production of Impact Socket and related accessories (standard and custom made). However, our main strenght is to make special products upon request & upon drawing.

BLACKIRON technical department supports the customer in every step, from engineering and designing to production, post-production and technical support. Our workshop consists of high-quality CNC machines, that produce resistant and high-performance products in compliance with all the existing Quality Standards. We use only high alloy steels of European origin. Every steel bar is certified singularly.

The production process includes mechanical processing by steel moulding and especially hydraulic press estrusion.

This procedure ensures greater precision and fatigue resistance.

BLACKIRON is proud to be a 100% made in Italy product. Italian production is still renowned for its quality and, in a global market moreover aggressive, remains the only point that creates real benefits for the customer and some advantages against competitors.

All our Impact Sockets are manufactured in compliance with the International Standards and, in particular, with UNI-ISO 1174 & DIN 3121 standards.

LEGENDA CODICI

Composizione codici identificativi delle chiavi a bussola Blackiron:

SD	112	-140	P
"SQUARE DRIVE"	MISURA DEL QUADRO IN POLLICI ABBREVIATA	MISURA DELLA BRUGOLA O APERTURA ESPRESSA IN MM O IN POLLICI	OPZIONI
Indica il quadro femmina	Esempio 34 = 3/4" 100 = 1" 112 = 1"-1/2 212 = 2"-1/2	Esempio 140 = 140 234 = 2"- 3/4 Eccezione: 1 = 1" 100 = 100	"P" poligonale "L" serie lunga "M" maschio esagonale "A" portainseriti "AM" inserto esagonale maschio "UJ" snodo

ITEMCODES LEGEND

Composition of Blackiron sockets itemcodes:

SD	112	-140	P
"SQUARE DRIVE"	SIZE OF THE SQUARE DRIVE IN INCHES ABBREVIATED	SIZE AF IN MM OR IN INCHES	OPTION
It indicates the female square drive	Example 34 = 3/4" 100 = 1" 112 = 1"-1/2 212 = 2"-1/2	Example 140=140 234=2"-3/4 Exception: 1=1" 100=100	"P" polygonal "L" extra lenght serie "M" allen male serie "A" female holder "AM" male insert "UJ" joint

LEGENDA ICONE ICONS LEGEND

Quadro femmina
Female square drive



Esagono femmina
Female hexagon



Porta inserti
Holder



Quadro maschio
Male square drive



Esagono maschio
Male hexagon



Inserto
Male insert



Poligono femmina
Female double hex

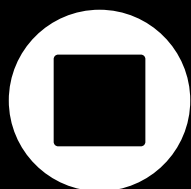


Filetto
Thread



Peso (Kg)
Weight (Kgs)





3/4"

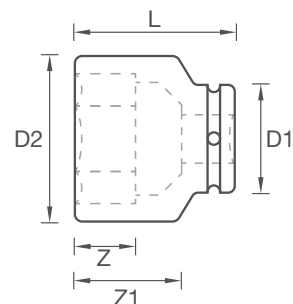
UNI ISO 1174




BUSSOLE IMPACT
IMPACT SOCKETS



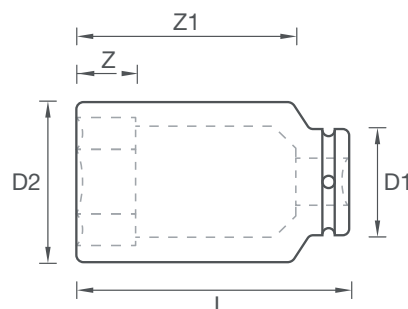
BLACKIRON
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ATTACCO QUADRO 3/4" ESAGONALE SERIE CORTA METRICA
IMPACT SOCKETS 3/4" STANDARD SERIES METRIC



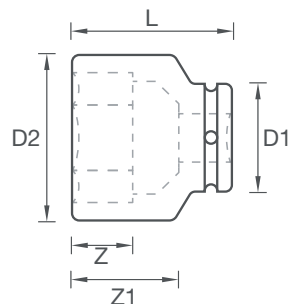
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-17	3/4"	17	44	30,5	51	10	24	0,35
SD34-19	3/4"	19	44	33	51	11	24	0,38
SD34-22	3/4"	22	44	36,5	51	12	24	0,38
SD34-24	3/4"	24	44	39	51	14	24	0,38
SD34-27	3/4"	27	44	43	55	16	29	0,41
SD34-30	3/4"	30	44	46,5	55	17	29	0,43
SD34-32	3/4"	32	44	49	57	19	30	0,48
SD34-33	3/4"	33	44	51	57	19	30	0,51
SD34-36	3/4"	36	44	54	57	20	30	0,55
SD34-41	3/4"	41	44	61	58	23	34	0,68
SD34-46	3/4"	46	44	67	63	25	34	0,85
SD34-50	3/4"	50	54	71	70	28	38	0,96
SD34-55	3/4"	55	54	78	75	30	48	1,07
SD34-60	3/4"	60	54	84	80	35	50	1,36




ATTACCO QUADRO 3/4" ESAGONALE SERIE LUNGA METRICA IMPACT SOCKETS 3/4" LONG SERIES METRIC

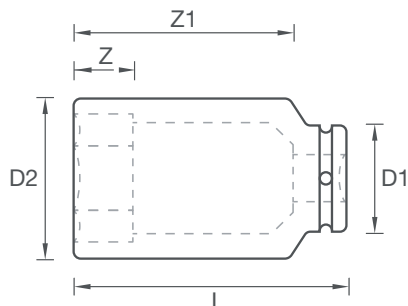





Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-17L	3/4"	17	44	30,5	100	10	74	0,60
SD34-19L	3/4"	19	44	33	100	11	74	0,61
SD34-22L	3/4"	22	44	36,5	100	12	74	0,70
SD34-24L	3/4"	24	44	39	100	14	74	0,72
SD34-27L	3/4"	27	44	43	100	16	74	0,75
SD34-30L	3/4"	30	44	46,5	100	17	74	0,83
SD34-32L	3/4"	32	44	49	100	19	74	0,89
SD34-33L	3/4"	33	44	51	100	19	74	0,99
SD34-36L	3/4"	36	44	54	100	20	74	1,04
SD34-41L	3/4"	41	44	61	100	23	72	1,27
SD34-46L	3/4"	46	44	67	100	25	72	1,50
SD34-50L	3/4"	50	54	71	100	28	72	1,34
SD34-55L	3/4"	55	54	78	100	30	72	1,53
SD34-60L	3/4"	60	54	84	110	35	98	2,27

ATTACCO QUADRO 3/4" POLIGONALE SERIE CORTA METRICA
DOUBLE HEX IMPACT SOCKETS 3/4" STANDARD SERIES METRIC

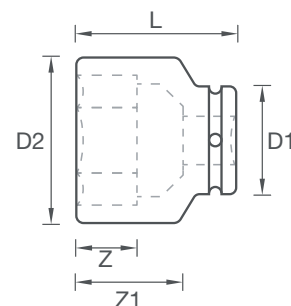





Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-17 P	3/4"	17	44	30,5	51	10	24	0,35
SD34-19 P	3/4"	19	44	33	51	11	24	0,38
SD34-22 P	3/4"	22	44	36	51	12	24	0,38
SD34-24 P	3/4"	24	44	39	51	14	24	0,38
SD34-27 P	3/4"	27	44	43	55	16	29	0,41
SD34-30 P	3/4"	30	44	46,5	55	17	29	0,43
SD34-32 P	3/4"	32	44	49	57	19	30	0,48
SD34-33 P	3/4"	33	44	51	57	19	30	0,51
SD34-36 P	3/4"	36	44	54	57	20	30	0,55
SD34-41 P	3/4"	41	44	61	58	23	34	0,68
SD34-46 P	3/4"	46	44	67	63	25	34	0,85
SD34-50 P	3/4"	50	54	71	70	28	38	0,96
SD34-55 P	3/4"	55	54	78	75	30	48	1,07
SD34-60 P	3/4"	60	54	84	80	35	50	1,36



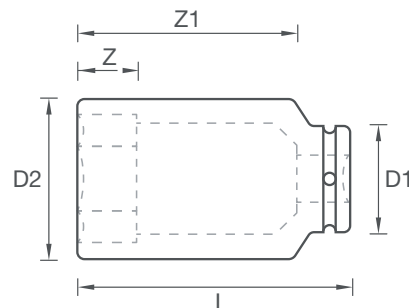
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-17PL	3/4"	17	44	30,5	100	10	74	0,60
SD34-19PL	3/4"	19	44	33	100	11	74	0,61
SD34-22PL	3/4"	22	44	36,5	100	12	74	0,70
SD34-24PL	3/4"	24	44	39	100	14	74	0,72
SD34-27PL	3/4"	27	44	43	100	16	74	0,75
SD34-30PL	3/4"	30	44	46,5	100	17	74	0,83
SD34-32PL	3/4"	32	44	49	100	19	74	0,89
SD34-33PL	3/4"	33	44	51	100	19	74	0,99
SD34-36PL	3/4"	36	44	54	100	20	74	1,04
SD34-41PL	3/4"	41	44	61	100	23	72	1,27
SD34-46PL	3/4"	46	44	67	100	25	72	1,50
SD34-50PL	3/4"	50	54	71	100	28	72	1,34
SD34-55PL	3/4"	55	54	78	100	30	72	1,53
SD34-60PL	3/4"	60	54	84	110	35	98	2,27




ATTACCO QUADRO 3/4" ESAGONALE SERIE CORTA IMPERIALE
IMPACT SOCKETS 3/4" STANDARD SERIES IMPERIAL



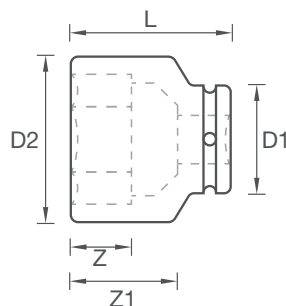
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-1116	3/4"	11/16"	44	30,5	51	10	24	0,35
SD34-34	3/4"	3/4"	44	33	51	11	24	0,38
SD34-78	3/4"	7/8"	44	36,5	51	12	24	0,38
SD34-1516	3/4"	15/16"	44	39	51	14	24	0,39
SD34-1	3/4"	1"	44	40	51	14	24	0,40
SD34-118	3/4"	1"1/8	44	44	55	16	29	0,42
SD34-114	3/4"	1"1/4	44	49	57	19	30	0,48
SD34-138	3/4"	1"3/8	44	54	57	20	30	0,52
SD34-1716	3/4"	1"7/16	44	55	57	21	32	0,58
SD34-112	3/4"	1"1/2	44	56	58	21	32	0,62
SD34-158	3/4"	1"5/8	44	61	58	23	34	0,68
SD34-11116	3/4"	1"11/16	44	63	63	23	34	0,68
SD34-134	3/4"	1"3/4	44	66	63	25	34	0,78
SD34-178	3/4"	1"7/8	54	69	70	26	38	0,95
SD34-200	3/4"	2"	54	72	70	30	38	0,99
SD34-238	3/4"	2"3/8	54	84	80	35	53	1,43




ATTACCO QUADRO 3/4" ESAGONALE SERIE LUNGA IMPERIALE IMPACT SOCKETS 3/4" LONG SERIES IMPERIAL



Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-1116L	3/4"	11/16"	44	30,5	100	10	74	0,60
SD34-34L	3/4"	3/4"	44	35	100	11	74	0,61
SD34-78L	3/4"	7/8"	44	36,5	100	12	74	0,70
SD34-1516L	3/4"	15/16"	44	39	100	14	74	0,72
SD34-1L	3/4"	1"	44	40	100	14	74	0,75
SD34-118L	3/4"	1"1/8	44	44	100	16	74	0,83
SD34-114L	3/4"	1"1/4	44	49	100	19	74	0,89
SD34-138L	3/4"	1"3/8	44	54	100	20	74	0,99
SD34-1716L	3/4"	1"7/16	44	55	100	21	74	1,04
SD34-112L	3/4"	1"1/2	44	56	100	21	72	1,27
SD34-158L	3/4"	1"5/8	44	61	100	23	72	1,50
SD34-11116L	3/4"	1"11/16	44	63	100	23	72	1,34
SD34-134L	3/4"	1"3/4	44	66	100	25	72	1,53
SD34-178L	3/4"	1"7/8	54	69	100	26	98	2,27
SD34-200L	3/4"	2"	54	72	100	30	98	2,50
SD34-238L	3/4"	2"3/8	54	84	100	35	98	2,75

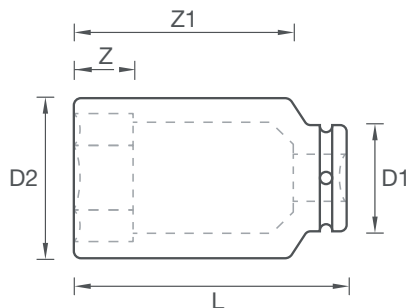
ATTACCO QUADRO 3/4" POLIGONALE SERIE CORTA IMPERIALE
DOUBLE HEX IMPACT SOCKETS 3/4" STANDARD SERIES IMPERIAL






Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-1116P	3/4"	11/16"	44	30,5	51	10	24	0,35
SD34-34P	3/4"	3/4"	44	33	51	11	24	0,38
SD34-78P	3/4"	7/8"	44	36,5	51	12	24	0,38
SD34-1516P	3/4"	15/16"	44	39	51	14	24	0,39
SD34-1P	3/4"	1"	44	40	51	14	24	0,40
SD34-118P	3/4"	1"1/8	44	44	55	16	29	0,42
SD34-114P	3/4"	1"1/4	44	49	57	19	30	0,48
SD34-138P	3/4"	1"3/8	44	54	57	20	30	0,52
SD34-1716P	3/4"	1"7/16	44	55	57	21	32	0,58
SD34-112P	3/4"	1"1/2	44	56	58	21	32	0,62
SD34-158P	3/4"	1"5/8	44	61	58	23	34	0,68
SD34-11116P	3/4"	1"11/16	44	63	63	23	34	0,68
SD34-134P	3/4"	1"3/4	44	66	63	25	34	0,78
SD34-178P	3/4"	1"7/8	54	69	70	26	38	0,95
SD34-200P	3/4"	2"	54	72	70	30	38	0,99
SD34-238P	3/4"	2"3/8	54	84	80	35	53	1,43

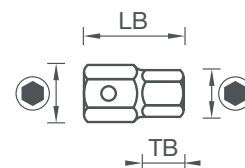
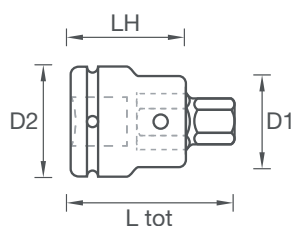
ATTACCO QUADRO 3/4" POLIGONALE SERIE LUNGA IMPERIALE






DOUBLE HEX IMPACT SOCKETS 3/4" LONG SERIES IMPERIAL



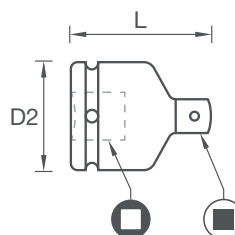
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-1116PL	3/4"	11/16"	44	30,5	100	10	74	0,60
SD34-34PL	3/4"	3/4"	44	33	100	11	74	0,61
SD34-78PL	3/4"	7/8"	44	36,5	100	12	74	0,70
SD34-1516PL	3/4"	15/16"	44	39	100	14	74	0,72
SD34-1PL	3/4"	1"	44	40	100	14	74	0,75
SD34-118PL	3/4"	1"1/8	44	44	100	16	74	0,83
SD34-114PL	3/4"	1"1/4	44	49	100	19	74	0,89
SD34-138PL	3/4"	1"3/8	44	54	100	20	74	0,99
SD34-1716PL	3/4"	1"7/16	44	55	100	21	74	1,04
SD34-112PL	3/4"	1"1/2	44	56	100	21	72	1,27
SD34-158PL	3/4"	1"5/8	44	61	100	23	72	1,50
SD34-11116PL	3/4"	1"11/16	44	63	100	23	72	1,34
SD34-134PL	3/4"	1"3/4	44	66	100	25	72	1,53
SD34-178PL	3/4"	1"7/8	54	69	100	26	98	2,27
SD34-200PL	3/4"	2"	54	72	100	30	98	2,50
SD34-238PL	3/4"	2"3/8	54	84	100	35	98	2,75



ATTACCO QUADRO 3/4" BUSSOLE PER ESAGONI CAVI (BRUGOLA) ALLEN SOCKETS 3/4"

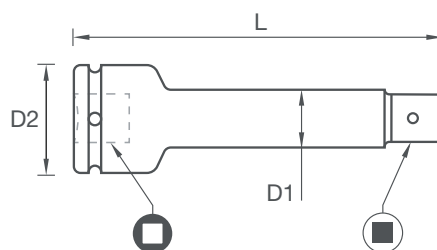




		LH	D1	D2	L tot		LB	TB		
Cod.	mm	mm	mm	mm	mm	inch	mm	mm	Cod. Holder	Cod. Insert
SD34-12M	12	54	44	44	82	7/8"	50	26	SD34-78A	78A-12AM
SD34-14M	14	54	44	44	82	7/8"	50	26	SD34-78A	78A-14AM
SD34-17M	17	54	44	44	82	7/8"	50	26	SD34-78A	78A-17AM
SD34-19M	19	54	44	44	82	7/8"	50	26	SD34-78A	78A-19AM
SD34-22M	22	54	44	44	82	7/8"	50	26	SD34-78A	78A-22AM
SD34-24M	24	54	44	44	82	7/8"	50	26	SD34-78A	78A-24AM

ATTACCO QUADRO 3/4" ADATTATORI ADAPTERS 3/4"

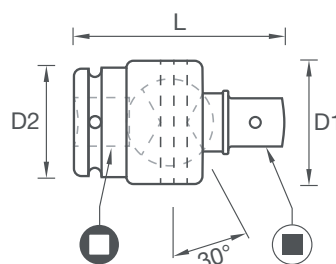




		D2	L
Cod.	inch	inch	mm
SD34-SD12	3/4"	1/2"	44
SD34-SD1	3/4"	1"	70



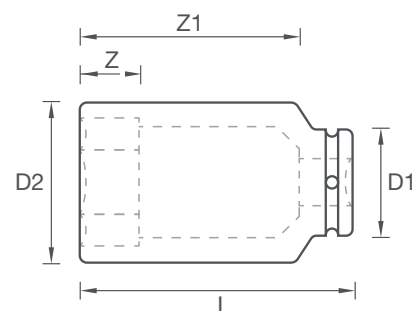
Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD34-7	3/4"	3/4"	25	44	175
SD34-10	3/4"	3/4"	25	44	250
SD34-13	3/4"	3/4"	25	44	330




ATTACCO QUADRO 3/4" SNODO
UNIVERSAL JOINT 3/4"

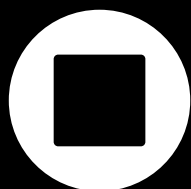


Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD34-UJ	3/4"	3/4"	48	44	91

ATTACCO QUADRO 3/4" ESAGONALE SERIE EXTRA SOTTILE METRICA
IMPACT SOCKETS 3/4" THIN WALL SERIES METRIC



Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD34-17TW	3/4"	17	44	27,5	100	10	74	0,60
SD34-19TW	3/4"	19	44	30	100	11	74	0,61
SD34-22TW	3/4"	22	44	33	100	12	74	0,70
SD34-24TW	3/4"	24	44	35,5	100	14	74	0,72
SD34-27TW	3/4"	27	44	39,5	100	16	74	0,75
SD34-30TW	3/4"	30	44	43	100	17	74	0,83
SD34-32TW	3/4"	32	44	45,5	100	19	74	0,89
SD34-33TW	3/4"	33	44	48	100	19	74	0,99
SD34-36TW	3/4"	36	44	51	100	20	74	1,04
SD34-41TW	3/4"	41	44	58	100	23	72	1,27
SD34-46TW	3/4"	46	44	64	100	25	72	1,50
SD34-50TW	3/4"	50	54	68	100	28	72	1,34
SD34-55TW	3/4"	55	54	75	100	30	72	1,53
SD34-60TW	3/4"	60	54	81	110	35	98	2,27



1"

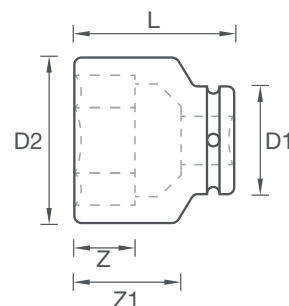
UNI ISO 1174


BUSSOLE IMPACT *IMPACT SOCKETS*

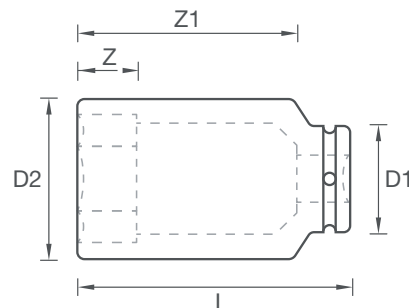





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ATTACCO QUADRO 1" ESAGONALE SERIE CORTA METRICA
IMPACT SOCKETS 1" STANDARD SERIES METRIC

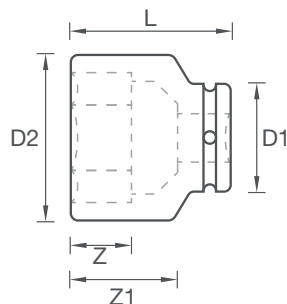





Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-19	1"	19	54	35	58	11	27	0,63
SD100-22	1"	22	54	38,5	58	12	27	0,66
SD100-24	1"	24	54	42	60	14	27	0,62
SD100-27	1"	27	54	46	60	16	27	0,65
SD100-30	1"	30	54	49,5	62	17	29	0,69
SD100-32	1"	32	54	52	63	19	29	0,68
SD100-33	1"	33	54	54	63	19	29	0,69
SD100-36	1"	36	54	57	67	20	33	0,79
SD100-41	1"	41	54	63	70	23	38	0,95
SD100-46	1"	46	54	69	75	25	42	1,12
SD100-50	1"	50	54	75	80	28	48	1,36
SD100-55	1"	55	54	81	85	30	50	1,74
SD100-60	1"	60	54	87	91	33	52	1,80
SD100-65	1"	65	54	93	95	35	54	2,10
SD100-70	1"	70	58	99,5	98	38	54	2,27
SD100-75	1"	75	58	106	104	38	54	2,87
SD100-80	1"	80	58	113	108	38	58	3,42
SD100-85	1"	85	69	118	108	38	58	3,46
SD100-90	1"	90	69	124	110	45	67	4,36
SD100-95	1"	95	84	129	115	45	66	4,40
SD100-100	1"	100	84	136	118	45	65	4,50

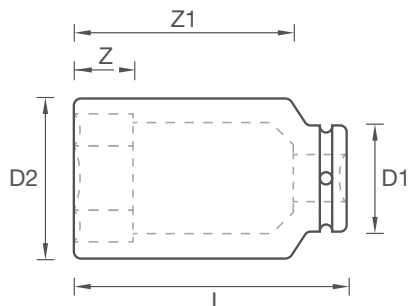





Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-19L	1"	19	54	35	100	11	71	1,30
SD100-22L	1"	22	54	38,5	100	12	71	0,88
SD100-24L	1"	24	54	42	100	14	68	0,89
SD100-27L	1"	27	54	46	100	16	68	0,99
SD100-30L	1"	30	54	49,5	100	17	68	1,15
SD100-32L	1"	32	54	52	100	19	68	1,17
SD100-33L	1"	33	54	54	100	19	68	1,19
SD100-36L	1"	36	54	57	100	20	68	1,18
SD100-41L	1"	41	54	63	100	23	67	1,41
SD100-46L	1"	46	54	69	115	25	82	1,85
SD100-50L	1"	50	54	75	115	28	93	2,22
SD100-55L	1"	55	54	81	115	30	93	2,67
SD100-60L	1"	60	54	87	125	33	93	2,90
SD100-65L	1"	65	54	93	125	35	105	3,63
SD100-70L	1"	70	58	99	135	38	105	3,83
SD100-75L	1"	75	58	106	135	38	105	4,80
SD100-80L	1"	80	58	113	135	38	108	5,15
SD100-85L	1"	85	69	118	140	38	100	5,90
SD100-90L	1"	90	69	124	140	45	99	5,74
SD100-95L	1"	95	84	129	140	45	98	5,83
SD100-100L	1"	100	84	136	150	45	98	6,00

ATTACCO QUADRO 1" POLIGONALE SERIE CORTA METRICA
DOUBLE HEX IMPACT SOCKETS 1" STANDARD SERIES METRIC



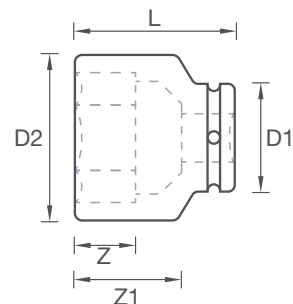
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-19P	1"	19	54	35	58	11	27	0,63
SD100-22P	1"	22	54	38,5	58	12	27	0,66
SD100-24P	1"	24	54	42	60	14	27	0,62
SD100-27P	1"	27	54	46	60	16	27	0,65
SD100-30P	1"	30	54	49,5	62	17	29	0,69
SD100-32P	1"	32	54	52	63	19	29	0,68
SD100-33P	1"	33	54	54	63	19	29	0,69
SD100-36P	1"	36	54	57	67	20	33	0,79
SD100-41P	1"	41	54	63	70	23	38	0,95
SD100-46P	1"	46	54	69	75	25	42	1,12
SD100-50P	1"	50	54	75	80	28	48	1,36
SD100-55P	1"	55	54	81	85	30	50	1,74
SD100-60P	1"	60	54	87	91	33	52	1,80
SD100-65P	1"	65	54	93	95	35	54	2,10
SD100-70P	1"	70	58	99,5	98	38	54	2,27
SD100-75P	1"	75	58	106	104	38	54	2,87
SD100-80P	1"	80	58	113	108	38	58	3,42
SD100-85P	1"	85	69	118	108	38	58	3,46
SD100-90P	1"	90	69	124	110	45	67	4,36
SD100-95P	1"	95	84	129	115	45	66	4,40
SD100-100P	1"	100	84	136	118	45	65	4,50






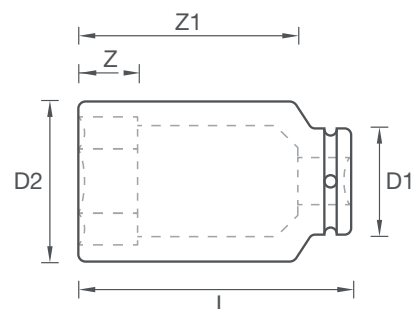
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-19PL	1"	19	54	35	100	11	71	1,30
SD100-22PL	1"	22	54	38,5	100	12	71	0,88
SD100-24PL	1"	24	54	42	100	14	68	0,89
SD100-27PL	1"	27	54	46	100	16	68	0,99
SD100-30PL	1"	30	54	49,5	100	17	68	1,15
SD100-32PL	1"	32	54	52	100	19	68	1,17
SD100-33PL	1"	33	54	54	100	19	68	1,19
SD100-36PL	1"	36	54	57	100	20	68	1,18
SD100-41PL	1"	41	54	63	100	23	67	1,41
SD100-46PL	1"	46	54	69	115	25	82	1,85
SD100-50PL	1"	50	54	75	115	28	93	2,22
SD100-55PL	1"	55	54	81	115	30	93	2,67
SD100-60PL	1"	60	54	87	125	33	93	2,90
SD100-65PL	1"	65	54	93	125	35	105	3,63
SD100-70PL	1"	70	58	99	135	38	105	3,83
SD100-75PL	1"	75	58	106	135	38	105	4,80
SD100-80PL	1"	80	58	113	135	38	108	5,15
SD100-85PL	1"	85	69	118	140	38	100	5,90
SD100-90PL	1"	90	69	124	140	45	99	5,74
SD100-90PL	1"	95	84	129	140	45	98	5,83
SD100-100PL	1"	100	84	136	150	45	98	6,00




ATTACCO QUADRO 1" ESAGONALE SERIE CORTA IMPERIALE

IMPACT SOCKETS 1" STANDARD SERIES IMPERIAL

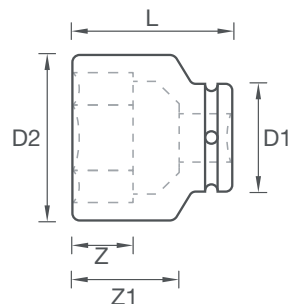





Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-34	1"	3/4"	54	35	58	11	27	0,63
SD100-78	1"	7/8"	54	38,5	58	12	27	0,66
SD100-1	1"	1"	54	43	60	14	27	0,64
SD100-118	1"	1"1/8	54	47	60	16	29	0,68
SD100-114	1"	1"1/4	54	52	63	19	29	0,68
SD100-138	1"	1"3/8	54	56	67	20	33	0,79
SD100-112	1"	1"1/2	54	59	67	21	33	0,82
SD100-158	1"	1"5/8	54	63	70	23	38	0,95
SD100-134	1"	1"3/4	54	68	75	24	40	1,02
SD100-178	1"	1"7/8	54	71,5	75	26	43	1,21
SD100-200	1"	2"	54	76	80	30	48	1,40
SD100-218	1"	2"1/8	54	80	85	30	50	1,70
SD100-214	1"	2"1/4	54	85	85	30	52	1,88
SD100-238	1"	2"3/8	54	87	91	33	52	1,80
SD100-212	1"	2"1/2	54	92	95	35	53	2,00
SD100-258	1"	2"5/8	58	95	95	38	54	2,28
SD100-234	1"	2"3/4	58	99,5	98	38	54	2,27
SD100-278	1"	2"7/8	58	104	104	38	54	2,90
SD100-300	1"	3"	58	107,5	104	40	54	3,04
SD100-318	1"	3"1/8	58	113	108	40	58	3,40
SD100-314	1"	3"1/4	69	116	108	40	58	3,24
SD100-338	1"	3"3/8	69	119	108	40	78	3,27
SD100-312	1"	3"1/2	69	123	110	48	83	3,85
SD100-334	1"	3"3/4	84	129	115	52	83	4,00

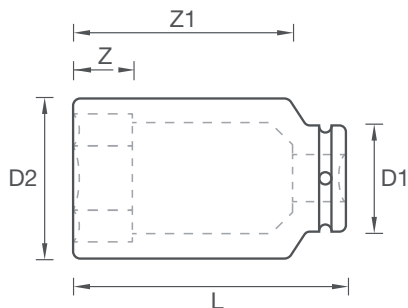





Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-34L	1"	3/4"	54	35	110	11	71	1,30
SD100-78L	1"	7/8"	54	38,5	110	12	71	0,87
SD100-1L	1"	1"	54	43	110	14	68	0,93
SD100-118L	1"	1"1/8	54	47	110	16	68	1,07
SD100-114L	1"	1"1/4	54	52	110	19	68	1,17
SD100-138L	1"	1"3/8	54	56	110	20	68	1,25
SD100-112L	1"	1"1/2	54	59	110	21	68	1,32
SD100-158L	1"	1"5/8	54	63	110	23	67	1,41
SD100-134L	1"	1"3/4	54	68	110	24	82	1,85
SD100-178L	1"	1"7/8	54	71,5	110	26	82	2,00
SD100-200L	1"	2"	54	76	115	30	93	2,30
SD100-218L	1"	2"1/8	54	80	115	30	93	2,60
SD100-214L	1"	2"1/4	54	85	115	30	93	2,80
SD100-238L	1"	2"3/8	54	87	120	33	93	2,90
SD100-212L	1"	2"1/2	54	92	125	35	107	3,55
SD100-258L	1"	2"5/8	58	95	125	38	107	3,70
SD100-234L	1"	2"3/4	58	99,5	130	38	107	3,83
SD100-278L	1"	2"7/8	58	104	135	38	99	4,42
SD100-300L	1"	3"	58	107,5	135	40	98	4,82
SD100-318L	1"	3"1/8	58	113	140	40	102	5,30
SD100-314L	1"	3"1/4	69	116	140	40	101	5,31
SD100-338L	1"	3"3/8	69	119	140	40	90	5,50
SD100-312L	1"	3"1/2	69	123	140	45	90	5,75
SD100-334L	1"	3"3/4	84	129	140	45	98	5,83

ATTACCO QUADRO 1" POLIGONALE SERIE CORTA IMPERIALE
DOUBLE HEX IMPACT SOCKETS 1" STANDARD SERIES IMPERIAL

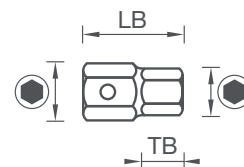
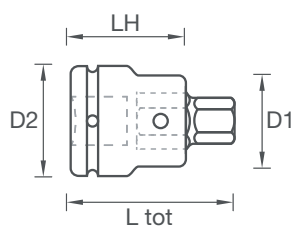







Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-34P	1"	3/4"	54	35	58	11	27	0,63
SD100-78P	1"	7/8"	54	38,5	58	12	27	0,66
SD100-1P	1"	1"	54	43	60	14	27	0,64
SD100-118P	1"	1"1/8	54	47	60	16	29	0,68
SD100-114P	1"	1"1/4	54	52	63	19	29	0,68
SD100-138P	1"	1"3/8	54	56	67	20	33	0,79
SD100-112P	1"	1"1/2	54	59	67	21	33	0,82
SD100-158P	1"	1"5/8	54	63	70	23	38	0,95
SD100-134P	1"	1"3/4	54	68	75	24	40	1,02
SD100-178P	1"	1"7/8	54	71,5	75	26	43	1,21
SD100-200P	1"	2"	54	76	80	30	48	1,40
SD100-218P	1"	2"1/8	54	80	85	30	50	1,70
SD100-214P	1"	2"1/4	54	85	85	30	52	1,88
SD100-238P	1"	2"3/8	54	87	91	33	52	1,80
SD100-212P	1"	2"1/2	54	92	95	35	53	2,00
SD100-258P	1"	2"5/8	58	95	95	38	54	2,28
SD100-234P	1"	2"3/4	58	99,5	98	38	54	2,27
SD100-278P	1"	2"7/8	58	104	104	38	54	2,90
SD100-300P	1"	3"	58	107,5	104	40	54	3,04
SD100-318P	1"	3"1/8	58	113	108	40	58	3,40
SD100-314P	1"	3"1/4	69	116	108	40	58	3,24
SD100-338P	1"	3"3/8	69	119	108	40	78	3,27
SD100-312P	1"	3"1/2	69	123	110	48	83	3,85
SD100-334P	1"	3"3/4	84	129	115	52	83	4,00



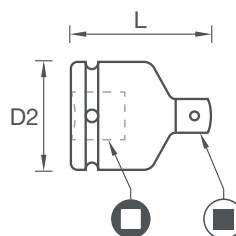
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-34PL	1"	3/4"	54	35	110	11	71	1,30
SD100-78PL	1"	7/8"	54	38,5	110	12	71	0,87
SD100-1PL	1"	1"	54	43	110	14	68	0,93
SD100-118PL	1"	1"1/8	54	47	110	16	68	1,07
SD100-114PL	1"	1"1/4	54	52	110	19	68	1,17
SD100-138PL	1"	1"3/8	54	56	110	20	68	1,25
SD100-112PL	1"	1"1/2	54	59	110	21	68	1,32
SD100-158PL	1"	1"5/8	54	63	110	23	67	1,41
SD100-134PL	1"	1"3/4	54	68	110	24	82	1,85
SD100-178PL	1"	1"7/8	54	71,5	110	26	82	2,00
SD100-200PL	1"	2"	54	76	115	30	93	2,30
SD100-218PL	1"	2"1/8	54	80	115	30	93	2,60
SD100-214PL	1"	2"1/4	54	85	115	30	93	2,80
SD100-238PL	1"	2"3/8	54	87	120	33	93	2,90
SD100-212PL	1"	2"1/2	54	92	125	35	107	3,55
SD100-258PL	1"	2"5/8	58	95	125	38	107	3,70
SD100-234PL	1"	2"3/4	58	99,5	130	38	107	3,83
SD100-278PL	1"	2"7/8	58	104	135	38	99	4,42
SD100-300PL	1"	3"	58	107,5	135	40	98	4,82
SD100-318PL	1"	3"1/8	58	113	140	40	102	5,30
SD100-314PL	1"	3"1/4	69	116	140	40	101	5,31
SD100-338PL	1"	3"3/8	69	119	140	40	90	5,50
SD100-312PL	1"	3"1/2	69	123	140	45	90	5,75
SD100-334PL	1"	3"3/4	84	129	140	45	98	5,83



ATTACCO QUADRO 1" BUSSOLE PER ESAGONI CAVI (BRUGOLA) ALLEN SOCKETS 1"



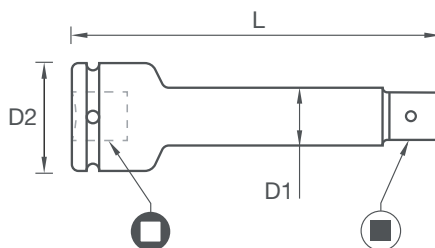
		LH	D1	D2	L tot		LB	TB		
Cod.	mm	mm	mm	mm	mm	inch	mm	mm	Cod. Holder	Cod. Inserti
SD100-17M	17	60	46	54	88	7/8"	50	26	SD100-78A	78A-17AM
SD100-19M	19	60	46	54	88	7/8"	50	26	SD100-78A	78A-19AM
SD100-22M	22	60	46	54	88	7/8"	50	26	SD100-78A	78A-22AM
SD100-24M	24	60	46	54	88	7/8"	50	26	SD100-78A	78A-24AM
SD100-27M	27	70	64	58	110	1"1/2	72	32	SD100-112A	112A-27AM
SD100-30M	30	70	64	58	115	1"1/2	76	36	SD100-112A	112A-30AM
SD100-32M	32	70	64	58	115	1"1/2	78	38	SD100-112A	112A-32AM
SD100-36M	36	70	64	58	120	1"1/2	82	42	SD100-112A	112A-36AM



ATTACCO QUADRO 1" ADATTATORI ADAPTERS 1"



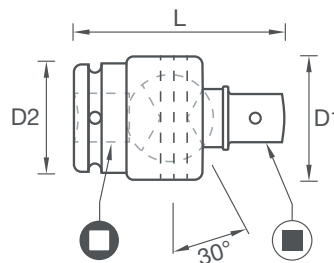
		D2	L
Cod.	inch	inch	mm
SD100-SD34	1"	3/4"	54
SD100-SD112	1"	1"1/2	90



ATTACCO QUADRO 1" PROLUNGHE EXTENSIONS 1"



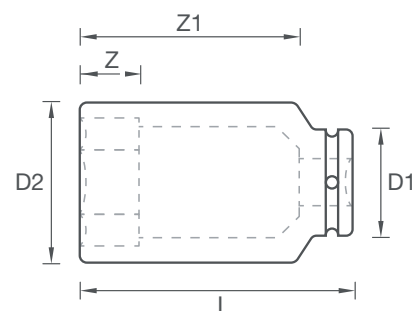
Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD100-7	1"	1"	30	54	175
SD100-10	1"	1"	30	54	250
SD100-13	1"	1"	30	54	330




ATTACCO QUADRO 1" SNODO UNIVERSAL JOINTS 1"

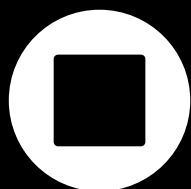


Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD100-UJ	1"	1"	60	54	117

ATTACCO QUADRO 1" ESAGONALE SERIE EXTRA SOTTILE METRICA
IMPACT SOCKETS 1" THIN WALL SERIES METRIC



Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD100-19TW	1"	19	54	31	100	11	71	1,30
SD100-22TW	1"	22	54	34,5	100	12	71	0,88
SD100-24TW	1"	24	54	38	100	14	68	0,89
SD100-27TW	1"	27	54	40,5	100	16	68	0,99
SD100-30TW	1"	30	54	46	100	17	68	1,15
SD100-32TW	1"	32	54	48	100	19	68	1,17
SD100-33TW	1"	33	54	50	100	19	68	1,19
SD100-36TW	1"	36	54	53	100	20	68	1,18
SD100-41TW	1"	41	54	58	100	23	67	1,41
SD100-46TW	1"	46	54	65	115	25	82	1,85
SD100-50TW	1"	50	54	71	115	28	93	2,22
SD100-55TW	1"	55	54	77	115	30	93	2,67
SD100-60TW	1"	60	54	83	125	33	93	2,90
SD100-65TW	1"	65	54	89	125	35	105	3,63
SD100-70TW	1"	70	58	98	135	38	105	3,83
SD100-75TW	1"	75	58	102	135	38	105	4,80
SD100-80TW	1"	80	58	109	135	38	108	5,15
SD100-85TW	1"	85	69	114	140	38	100	5,90
SD100-90TW	1"	90	69	120	140	45	99	5,74
SD100-95TW	1"	95	84	125	140	45	98	5,83
SD100-100TW	1"	100	84	132	150	45	98	6,00



1"1/2

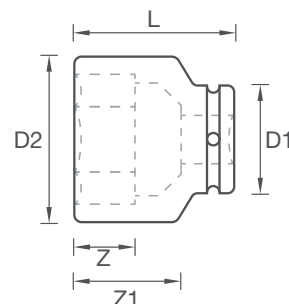
UNI ISO 1174




BUSSOLE IMPACT
IMPACT SOCKETS

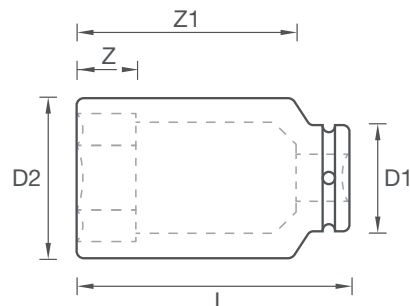





BLACKIRON
ITALY

ATTACCO QUADRO 1"1/2 ESAGONALE SERIE CORTA METRICA
IMPACT SOCKETS 1"1/2 STANDARD SERIES METRIC



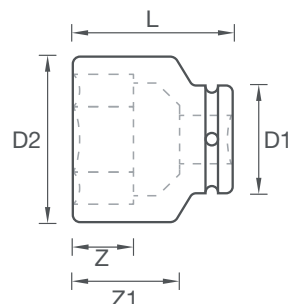
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-30	1"1/2	30	84	56	80	17	38	2,07
SD112-32	1"1/2	32	84	59	80	19	38	2,13
SD112-33	1"1/2	33	84	60	80	19	38	2,13
SD112-36	1"1/2	36	84	63,5	80	21	36	2,30
SD112-41	1"1/2	41	84	70	84	23	36	2,29
SD112-46	1"1/2	46	84	76	84	25	40	2,40
SD112-50	1"1/2	50	84	81	87	28	43	2,40
SD112-55	1"1/2	55	86	87	90	30	47	2,52
SD112-60	1"1/2	60	86	93	95	35	51	3,03
SD112-65	1"1/2	65	86	99	100	35	56	3,38
SD112-70	1"1/2	70	86	105,5	105	40	61	4,00
SD112-75	1"1/2	75	86	112	110	42	66	4,60
SD112-80	1"1/2	80	86	119	115	42	66	5,30
SD112-85	1"1/2	85	86	125	120	50	75	5,67
SD112-90	1"1/2	90	86	131	126	50	75	6,04
SD112-95	1"1/2	95	96	137	130	55	83	8,30
SD112-100	1"1/2	100	96	143	130	55	83	8,63
SD112-105	1"1/2	105	96	149	130	55	83	9,40
SD112-110	1"1/2	110	96	157	140	70	92	10,00
SD112-115	1"1/2	115	96	163	140	72	92	10,60
SD112-120	1"1/2	120	96	168	140	77	90	11,20
SD112-125	1"1/2	125	96	175	140	77	90	11,80
SD112-130	1"1/2	130	96	180	150	80	100	12,90
SD112-135	1"1/2	135	108	186	150	80	100	13,60
SD112-140	1"1/2	140	108	192	150	80	100	15,00
SD112-145	1"1/2	145	108	198	150	80	97	17,20
SD112-150	1"1/2	150	108	203	158	85	97	18,00
SD112-155	1"1/2	155	108	209	158	85	97	19,00






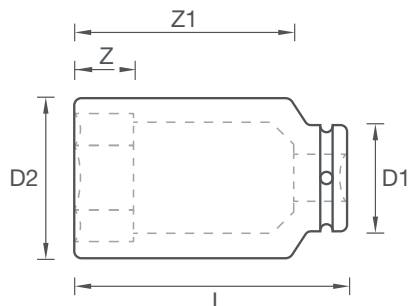
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-36L	1"1/2	36	84	63,5	150	21	106	3,81
SD112-41L	1"1/2	41	84	70	150	23	106	3,70
SD112-46L	1"1/2	46	84	76	150	25	106	3,90
SD112-50L	1"1/2	50	84	81	150	28	106	3,90
SD112-55L	1"1/2	55	86	87	150	30	106	4,10
SD112-60L	1"1/2	60	86	93	150	35	106	4,70
SD112-65L	1"1/2	65	86	99	150	35	106	4,90
SD112-70L	1"1/2	70	86	105,5	170	40	126	6,40
SD112-75L	1"1/2	75	86	112	170	42	126	6,90
SD112-80L	1"1/2	80	86	119	170	42	126	7,60
SD112-85L	1"1/2	85	86	125	180	50	135	9,40
SD112-90L	1"1/2	90	86	131	180	50	135	10,00
SD112-95L	1"1/2	95	96	137	190	55	143	12,10
SD112-100L	1"1/2	100	96	143	190	55	143	12,60
SD112-105L	1"1/2	105	96	149	190	55	143	13,20
SD112-110L	1"1/2	110	96	157	200	70	152	14,50
SD112-115L	1"1/2	115	96	163	200	72	152	15,10
SD112-120L	1"1/2	120	96	168	200	77	150	16,00
SD112-125L	1"1/2	125	96	175	200	77	136	17,10
SD112-130L	1"1/2	130	96	180	210	80	145	18,60
SD112-135L	1"1/2	135	108	186	210	80	144	19,50
SD112-140L	1"1/2	140	108	192	210	80	142	21,50
SD112-145L	1"1/2	145	108	198	210	80	141	21,50
SD112-150L	1"1/2	150	108	203	210	85	139	22,30
SD112-155L	1"1/2	155	108	209	210	85	138	23,30




ATTACCO QUADRO 1"1/2 POLIGONALE SERIE CORTA METRICA

DOUBLE HEX IMPACT SOCKETS 1"1/2 STANDARD SERIES METRIC

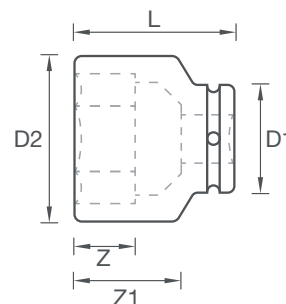





Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-30P	1"1/2	30	84	56	80	17	38	2,07
SD112-32P	1"1/2	32	84	59	80	19	38	2,13
SD112-33P	1"1/2	33	84	60	80	19	38	2,13
SD112-36P	1"1/2	36	84	63,5	84	21	36	2,30
SD112-41P	1"1/2	41	84	70	84	23	36	2,29
SD112-46P	1"1/2	46	84	76	87	25	40	2,40
SD112-50P	1"1/2	50	84	81	90	28	43	2,40
SD112-55P	1"1/2	55	86	86	90	30	47	2,52
SD112-60P	1"1/2	60	86	94	95	35	51	3,03
SD112-65P	1"1/2	65	86	99	100	35	56	3,38
SD112-70P	1"1/2	70	86	105	105	40	61	4,00
SD112-75P	1"1/2	75	86	112	110	42	66	4,60
SD112-80P	1"1/2	80	86	119	110	42	66	5,30
SD112-85P	1"1/2	85	86	125	120	50	75	5,67
SD112-90P	1"1/2	90	86	131	120	50	75	6,04
SD112-95P	1"1/2	95	96	141	130	55	83	8,30
SD112-100P	1"1/2	100	96	146	130	55	83	8,63
SD112-105P	1"1/2	105	96	151	130	55	83	9,40
SD112-110P	1"1/2	110	96	157	140	70	92	10,00
SD112-115P	1"1/2	115	96	163	140	72	92	10,60
SD112-120P	1"1/2	120	96	170	140	77	90	11,20
SD112-125P	1"1/2	125	96	175	140	77	90	11,80
SD112-130P	1"1/2	130	96	180	150	80	100	12,90
SD112-135P	1"1/2	135	108	186	150	80	100	13,60
SD112-140P	1"1/2	140	108	192	150	80	100	15,00
SD112-145P	1"1/2	145	108	198	150	80	97	17,20
SD112-150P	1"1/2	150	108	203	150	85	97	18,00
SD112-155P	1"1/2	155	108	209	150	85	97	19,00



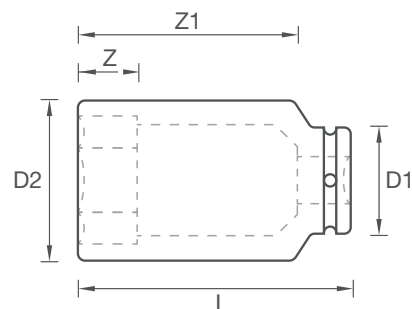
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-36PL	1"1/2	36	84	63,5	150	21	106	3,81
SD112-41PL	1"1/2	41	84	70	150	23	106	3,70
SD112-46PL	1"1/2	46	84	76	150	25	106	3,90
SD112-50PL	1"1/2	50	84	81	150	28	106	3,90
SD112-55PL	1"1/2	55	86	86	150	30	106	4,10
SD112-60PL	1"1/2	60	86	94	150	35	106	4,70
SD112-65PL	1"1/2	65	86	99	150	35	106	4,90
SD112-70PL	1"1/2	70	86	105	170	40	126	6,40
SD112-75PL	1"1/2	75	86	112	170	42	126	6,90
SD112-80PL	1"1/2	80	86	119	170	42	126	7,60
SD112-85PL	1"1/2	85	86	125	180	50	135	9,40
SD112-90PL	1"1/2	90	86	131	180	50	135	10,00
SD112-95PL	1"1/2	95	96	141	190	55	143	12,10
SD112-100PL	1"1/2	100	96	146	190	55	143	12,60
SD112-105PL	1"1/2	105	96	151	190	55	143	13,20
SD112-110PL	1"1/2	110	96	157	200	70	152	14,50
SD112-115PL	1"1/2	115	96	163	200	72	152	15,10
SD112-120PL	1"1/2	120	96	170	200	77	150	16,00
SD112-125PL	1"1/2	125	96	175	200	77	136	17,10
SD112-130PL	1"1/2	130	96	180	210	80	145	18,60
SD112-135PL	1"1/2	135	108	186	210	80	144	19,50
SD112-140PL	1"1/2	140	108	192	210	80	142	21,50
SD112-145PL	1"1/2	145	108	198	210	80	141	21,50
SD112-150PL	1"1/2	150	108	203	210	85	139	22,30
SD112-155PL	1"1/2	155	108	209	210	85	138	23,30




ATTACCO QUADRO 1"1/2 ESAGONALE SERIE CORTA IMPERIALE
IMPACT SOCKETS 1"1/2 STANDARD SERIES IMPERIAL



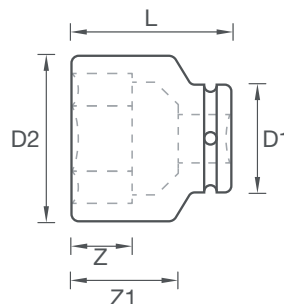
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-1	1"1/2	1"	84	51	80	14	38	1,98
SD112-118	1"1/2	1"1/8	84	54	80	16	38	1,98
SD112-114	1"1/2	1"1/4	84	59	80	19	38	2,15
SD112-138	1"1/2	1"3/8	84	62	80	20	36	2,10
SD112-112	1"1/2	1"1/2	84	65	84	21	36	2,30
SD112-158	1"1/2	1"5/8	84	70	84	23	36	2,40
SD112-134	1"1/2	1"3/4	84	75	84	25	40	2,40
SD112-178	1"1/2	1"7/8	84	78	84	26	40	2,40
SD112-200	1"1/2	2"	84	82	87	30	43	2,42
SD112-218	1"1/2	2"1/8	84	84	90	30	43	2,60
SD112-214	1"1/2	2"1/4	86	89,5	90	30	51	2,90
SD112-238	1"1/2	2"3/8	86	93	95	25	51	3,10
SD112-212	1"1/2	2"1/2	86	98	100	25	56	3,30
SD112-258	1"1/2	2"5/8	86	102	105	40	61	3,80
SD112-234	1"1/2	2"3/4	86	105,5	105	40	61	4,00
SD112-278	1"1/2	2"7/8	86	110	110	42	66	4,40
SD112-300	1"1/2	3"	86	113	110	42	66	4,90
SD112-318	1"1/2	3"1/8	86	119	115	42	66	5,40
SD112-314	1"1/2	3"1/4	86	121,5	120	50	75	6,00
SD112-338	1"1/2	3"3/8	86	125	120	50	75	6,20
SD112-312	1"1/2	3"1/2	86	130	126	50	75	6,70
SD112-358	1"1/2	3"5/8	86	134	126	50	75	7,00
SD112-334	1"1/2	3"3/4	96	137	130	55	83	8,30
SD112-378	1"1/2	3"7/8	96	142	130	55	83	8,48
SD112-400	1"1/2	4"	96	147	130	55	83	9,10
SD112-414	1"1/2	4"1/4	96	155	140	70	92	9,97
SD112-438	1"1/2	4"3/8	96	160	140	70	92	10,30
SD112-412	1"1/2	4"1/2	96	163	140	72	92	10,67
SD112-458	1"1/2	4"5/8	96	166	140	77	90	11,00
SD112-434	1"1/2	4"3/4	96	169	140	77	90	11,10
SD112-478	1"1/2	4"7/8	96	174	140	77	90	11,50
SD112-500	1"1/2	5"	96	177	150	77	100	12,30
SD112-518	1"1/2	5"1/8	96	180	150	80	100	12,90
SD112-514	1"1/2	5"1/4	108	186	150	80	100	13,40
SD112-538	1"1/2	5"3/8	108	189	150	80	100	14,00
SD112-512	1"1/2	5"1/2	108	192	150	80	100	15,00
SD112-534	1"1/2	5"3/4	108	200	150	85	97	17,40
SD112-578	1"1/2	5"7/8	108	203	158	85	97	18,20
SD112-600	1"1/2	6"	108	206	158	85	97	18,45
SD112-618	1"1/2	6"1/8	108	209	158	85	97	19,00




Note: **Esecuzioni speciali su richiesta.** Tutti i valori indicati possono variare senza preavviso - i valori di peso sono indicativi. Tutte le bussole Blackiron sono personalizzabili con vostro logo aziendale su richiesta.
Special executions upon request. All the dimensions may change without prior notice - Weight values are approximated. All Blackiron impact sockets are customizable with your company logo under request.



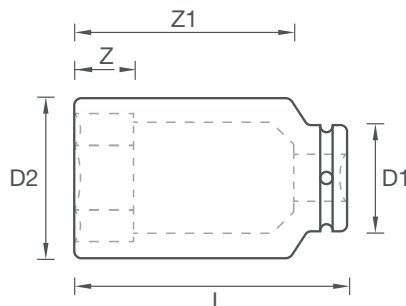
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-138L	1"1/2	1"3/8	84	62	130	20	108	3,79
SD112-112L	1"1/2	1"1/2	84	65	130	21	108	3,86
SD112-158L	1"1/2	1"5/8	84	70	130	23	108	3,70
SD112-134L	1"1/2	1"3/4	84	75	130	25	102	3,70
SD112-178L	1"1/2	1"7/8	84	78	130	26	102	3,80
SD112-200L	1"1/2	2"	84	82	150	30	102	3,90
SD112-218L	1"1/2	2"1/8	84	84	150	30	102	4,00
SD112-214L	1"1/2	2"1/4	86	89,5	150	30	102	4,40
SD112-238L	1"1/2	2"3/8	86	93	150	25	102	4,80
SD112-212L	1"1/2	2"1/2	86	98	150	25	102	4,90
SD112-258L	1"1/2	2"5/8	86	102	170	40	126	6,10
SD112-234L	1"1/2	2"3/4	86	105,5	170	40	126	6,40
SD112-278L	1"1/2	2"7/8	86	110	170	42	126	6,80
SD112-300L	1"1/2	3"	86	113	170	42	126	7,60
SD112-318L	1"1/2	3"1/8	86	119	170	42	126	7,60
SD112-314L	1"1/2	3"1/4	86	121,5	180	50	135	9,20
SD112-338L	1"1/2	3"3/8	86	125	180	50	135	9,40
SD112-312L	1"1/2	3"1/2	86	130	180	50	135	9,90
SD112-358L	1"1/2	3"5/8	86	134	190	50	135	10,30
SD112-334L	1"1/2	3"3/4	96	137	190	55	143	12,10
SD112-378L	1"1/2	3"7/8	96	142	190	55	143	12,40
SD112-400L	1"1/2	4"	96	147	190	55	143	12,80
SD112-414L	1"1/2	4"1/4	96	155	200	70	141	14,70
SD112-438L	1"1/2	4"3/8	96	160	200	70	141	14,88
SD112-412L	1"1/2	4"1/2	96	163	200	72	150	15,10
SD112-458L	1"1/2	4"5/8	96	166	200	77	138	15,50
SD112-434L	1"1/2	4"3/4	96	169	200	77	138	15,80
SD112-478L	1"1/2	4"7/8	96	174	200	77	137	16,14
SD112-500L	1"1/2	5"	96	177	210	77	145	17,84
SD112-518L	1"1/2	5"1/8	96	180	210	80	145	18,93
SD112-514L	1"1/2	5"1/4	108	186	210	80	144	18,86
SD112-538L	1"1/2	5"3/8	108	189	210	80	143	19,60
SD112-512L	1"1/2	5"1/2	108	192	210	80	142	20,30
SD112-534L	1"1/2	5"3/4	108	200	210	85	140	20,60
SD112-578L	1"1/2	5"7/8	108	203	210	85	140	21,40
SD112-600L	1"1/2	6"	108	206	210	85	139	22,70




ATTACCO QUADRO 1"1/2 POLIGONALE SERIE CORTA IMPERIALE
DOUBLE HEX IMPACT SOCKETS 1"1/2 STANDARD SERIES IMPERIAL



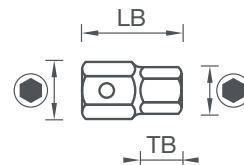
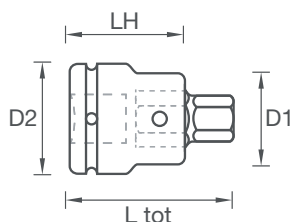
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-1P	1"1/2	1"	84	51	80	14	38	1,98
SD112-118P	1"1/2	1"1/8	84	54	80	16	38	1,98
SD112-114P	1"1/2	1"1/4	84	59	80	19	38	2,15
SD112-138P	1"1/2	1"3/8	84	62	80	20	36	2,10
SD112-112P	1"1/2	1"1/2	84	65	84	21	36	2,30
SD112-158P	1"1/2	1"5/8	84	70	84	23	36	2,40
SD112-134P	1"1/2	1"3/4	84	75	84	25	40	2,40
SD112-178P	1"1/2	1"7/8	84	78	84	26	40	2,40
SD112-200P	1"1/2	2"	84	82	87	30	43	2,42
SD112-218P	1"1/2	2"1/8	84	84	90	30	43	2,60
SD112-214P	1"1/2	2"1/4	86	89,5	90	30	51	2,90
SD112-238P	1"1/2	2"3/8	86	93	95	25	51	3,10
SD112-212P	1"1/2	2"1/2	86	98	100	25	56	3,30
SD112-258P	1"1/2	2"5/8	86	102	105	40	61	3,80
SD112-234P	1"1/2	2"3/4	86	105,5	105	40	61	4,00
SD112-278P	1"1/2	2"7/8	86	110	110	42	66	4,40
SD112-300P	1"1/2	3"	86	113	110	42	66	4,90
SD112-318P	1"1/2	3"1/8	86	119	115	42	66	5,40
SD112-314P	1"1/2	3"1/4	86	121,5	120	50	75	6,00
SD112-338P	1"1/2	3"3/8	86	125	120	50	75	6,20
SD112-312P	1"1/2	3"1/2	86	130	126	50	75	6,70
SD112-358P	1"1/2	3"5/8	86	134	126	50	75	7,00
SD112-334P	1"1/2	3"3/4	96	137	130	55	83	8,30
SD112-378P	1"1/2	3"7/8	96	142	130	55	83	8,48
SD112-400P	1"1/2	4"	96	147	130	55	83	9,10
SD112-414P	1"1/2	4"1/4	96	155	140	70	92	9,97
SD112-438P	1"1/2	4"3/8	96	160	140	70	92	10,30
SD112-412P	1"1/2	4"1/2	96	163	140	72	92	10,67
SD112-458P	1"1/2	4"5/8	96	166	140	77	90	11,00
SD112-434P	1"1/2	4"3/4	96	169	140	77	90	11,10
SD112-478P	1"1/2	4"7/8	96	174	140	77	90	11,50
SD112-500P	1"1/2	5"	96	177	150	77	100	12,30
SD112-518P	1"1/2	5"1/8	96	180	150	80	100	12,90
SD112-514P	1"1/2	5"1/4	108	186	150	80	100	13,40
SD112-538P	1"1/2	5"3/8	108	189	150	80	100	14,00
SD112-512P	1"1/2	5"1/2	108	192	150	80	100	15,00
SD112-534P	1"1/2	5"3/4	108	200	150	85	97	17,40
SD112-578P	1"1/2	5"7/8	108	203	158	85	97	18,20
SD112-600P	1"1/2	6"	108	206	158	85	97	18,45
SD112-618P	1"1/2	6"1/8	108	209	158	85	97	19,00






Note: **Esecuzioni speciali su richiesta.** Tutti i valori indicati possono variare senza preavviso - i valori di peso sono indicativi. Tutte le bussole Blackiron sono personalizzabili con vostro logo aziendale su richiesta.
Special executions upon request. All the dimensions may change without prior notice - Weight values are approximated. All Blackiron impact sockets are customizable with your company logo under request.



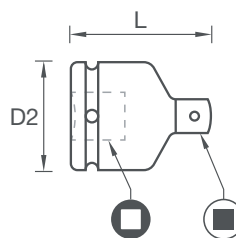
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-138PL	1"1/2	1"3/8	84	62	150	20	108	3,79
SD112-112PL	1"1/2	1"1/2	84	65	150	21	108	3,86
SD112-158PL	1"1/2	1"5/8	84	70	150	23	108	3,70
SD112-134PL	1"1/2	1"3/4	84	75	150	25	102	3,70
SD112-178PL	1"1/2	1"7/8	84	78	150	26	102	3,80
SD112-200PL	1"1/2	2"	84	82	150	30	102	3,90
SD112-218PL	1"1/2	2"1/8	84	84	150	30	102	4,00
SD112-214PL	1"1/2	2"1/4	86	89,5	150	30	102	4,40
SD112-238PL	1"1/2	2"3/8	86	93	150	25	102	4,80
SD112-212PL	1"1/2	2"1/2	86	98	150	25	102	4,90
SD112-258PL	1"1/2	2"5/8	86	102	170	40	126	6,10
SD112-234PL	1"1/2	2"3/4	86	105,5	170	40	126	6,40
SD112-278PL	1"1/2	2"7/8	86	110	170	42	126	6,80
SD112-300PL	1"1/2	3"	86	113	170	42	126	7,60
SD112-318PL	1"1/2	3"1/8	86	119	170	42	126	7,60
SD112-314PL	1"1/2	3"1/4	86	121,5	180	50	135	9,20
SD112-338PL	1"1/2	3"3/8	86	125	180	50	135	9,40
SD112-312PL	1"1/2	3"1/2	86	130	180	50	135	9,90
SD112-358PL	1"1/2	3"5/8	86	134	190	50	135	10,30
SD112-334PL	1"1/2	3"3/4	96	137	190	55	143	12,10
SD112-378PL	1"1/2	3"7/8	96	142	190	55	143	12,40
SD112-400PL	1"1/2	4"	96	147	190	55	143	12,80
SD112-414PL	1"1/2	4"1/4	96	155	200	70	141	14,70
SD112-438PL	1"1/2	4"3/8	96	160	200	70	141	14,88
SD112-412PL	1"1/2	4"1/2	96	163	200	72	150	15,10
SD112-458PL	1"1/2	4"5/8	96	166	200	77	138	15,50
SD112-434PL	1"1/2	4"3/4	96	169	200	77	138	15,80
SD112-478PL	1"1/2	4"7/8	96	174	200	77	137	16,14
SD112-500PL	1"1/2	5"	96	177	210	77	145	17,84
SD112-518PL	1"1/2	5"1/8	96	180	210	80	145	18,93
SD112-514PL	1"1/2	5"1/4	108	186	210	80	144	18,86
SD112-538PL	1"1/2	5"3/8	108	189	210	80	143	19,60
SD112-512PL	1"1/2	5"1/2	108	192	210	80	142	20,30
SD112-534PL	1"1/2	5"3/4	108	200	210	85	140	20,60
SD112-578PL	1"1/2	5"7/8	108	203	210	85	140	21,40
SD112-600PL	1"1/2	6"	108	206	210	85	139	22,70



ATTACCO QUADRO 1"1/2 BUSSOLE PER ESAGONI CAVI (BRUGOLA) ALLEN SOCKETS 1"1/2



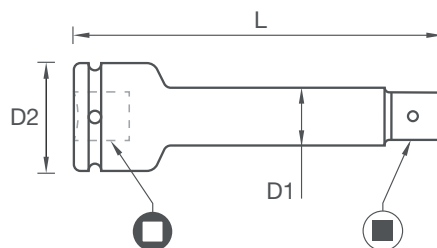
		LH	D1	D2	L tot		LB	TB		
Cod.	mm	mm	mm	mm	mm	inch	mm	mm	Cod. Holder	Cod. Inserti
SD112-27M	27	90	70	85	125	1"1/2	72	32	SD112-112A	112A-27AM
SD112-30M	30	90	70	85	130	1"1/2	76	36	SD112-112A	112A-30AM
SD112-32M	32	90	70	85	130	1"1/2	78	38	SD112-112A	112A-32AM
SD112-36M	36	90	70	85	135	1"1/2	82	42	SD112-112A	112A-36AM
SD112-41M	41	90	70	85	140	1"1/2	88	46	SD112-112A	112A-41AM
SD112-46M	46	90	70	85	155	1"1/2	92	48	SD112-112A	112A-46AM



ATTACCO QUADRO 1"1/2 ADATTATORI ADAPTERS 1"1/2



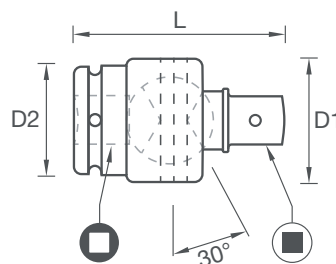
			D2	L
Cod.	inch	inch	mm	mm
SD112-SD100	1"1/2	1"	78	105
SD112-SD212	1"1/2	2"1/2	86	120



ATTACCO QUADRO 1"1/2 PROLUNGHE EXTENSIONS 1"1/2

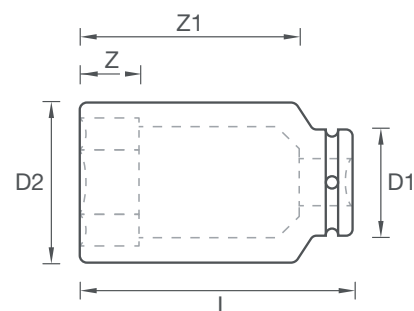





Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD112-10	1"1/2	1"1/2	45	85	250
SD112-15	1"1/2	1"1/2	45	85	380
SD112-18	1"1/2	1"1/2	45	85	455

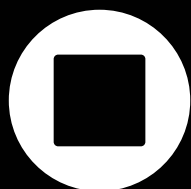
ATTACCO QUADRO 1"1/2 SNODO UNIVERSAL JOINTS 1"1/2



Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD112-UJ	1"1/2	1"1/2	100	86	170



Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD112-36TW	1"1/2	36	84	57	150	21	106	3,81
SD112-41TW	1"1/2	41	84	64	150	23	106	3,70
SD112-46TW	1"1/2	46	84	70	150	25	106	3,90
SD112-50TW	1"1/2	50	84	75	150	28	106	3,90
SD112-55TW	1"1/2	55	86	80	150	30	106	4,10
SD112-60TW	1"1/2	60	86	88	150	35	106	4,70
SD112-65TW	1"1/2	65	86	93	150	35	106	4,90
SD112-70TW	1"1/2	70	86	99	170	40	126	6,40
SD112-75TW	1"1/2	75	86	108	170	42	126	6,90
SD112-80TW	1"1/2	80	86	113	170	42	126	7,60
SD112-85TW	1"1/2	85	86	118	180	50	135	9,40
SD112-90TW	1"1/2	90	86	125	180	50	135	10,00
SD112-95TW	1"1/2	95	96	135	190	55	143	12,10
SD112-100TW	1"1/2	100	96	140	190	55	143	12,60
SD112-105TW	1"1/2	105	96	145	190	55	143	13,20
SD112-110TW	1"1/2	110	96	151	200	70	152	14,50
SD112-115TW	1"1/2	115	96	157	200	72	152	15,10
SD112-120TW	1"1/2	120	96	164	200	77	150	16,00



2"1/2

UNI ISO 1174

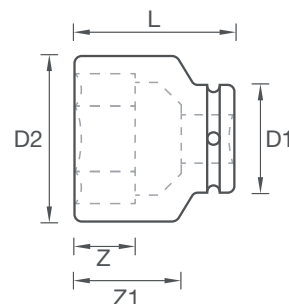
BUSSOLE IMPACT
IMPACT SOCKETS





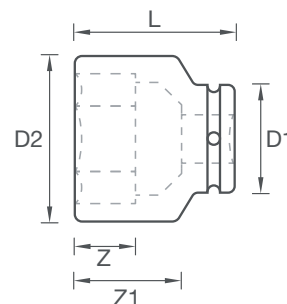
BLACKIRON
ITALY




ATTACCO QUADRO 2"1/2 ESAGONALE SERIE CORTA METRICA

IMPACT SOCKETS 2"1/2 STANDARD SERIES METRIC



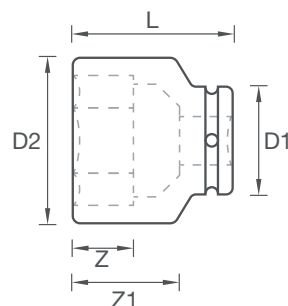
Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD212-50	2"1/2	50	127	91	130	30	72	9,22
SD212-55	2"1/2	55	127	96	130	30	72	9,22
SD212-60	2"1/2	60	127	100	130	35	68	9,30
SD212-65	2"1/2	65	127	105	135	35	68	9,30
SD212-70	2"1/2	70	127	111,5	135	40	68	9,30
SD212-75	2"1/2	75	127	118	140	45	68	9,31
SD212-80	2"1/2	80	127	124	145	45	68	9,28
SD212-85	2"1/2	85	127	130	150	50	68	9,30
SD212-90	2"1/2	90	127	136,5	155	50	78	10,55
SD212-95	2"1/2	95	127	143	155	55	78	10,80
SD212-100	2"1/2	100	127	149	160	55	78	11,10
SD212-105	2"1/2	105	127	155	160	60	88	12,10
SD212-110	2"1/2	110	127	161,5	165	65	88	13,00
SD212-115	2"1/2	115	127	168	170	65	88	13,90
SD212-120	2"1/2	120	140	174	170	70	88	16,90
SD212-125	2"1/2	125	140	180	170	75	88	17,50
SD212-130	2"1/2	130	140	187	175	75	106	21,50
SD212-135	2"1/2	135	140	193	175	80	106	22,50
SD212-140	2"1/2	140	140	199	180	80	106	23,00
SD212-145	2"1/2	145	140	205	180	80	106	24,00
SD212-150	2"1/2	150	140	212	185	85	115	24,50
SD212-155	2"1/2	155	140	217	195	90	115	29,00
SD212-160	2"1/2	160	140	224	200	90	115	31,00
SD212-165	2"1/2	165	140	230	200	95	115	32,00
SD212-170	2"1/2	170	140	237	205	95	115	32,50
SD212-175	2"1/2	175	178	243	210	95	115	34,50
SD212-180	2"1/2	180	178	249	210	110	143	41,40
SD212-185	2"1/2	185	178	255	215	110	143	42,30
SD212-190	2"1/2	190	178	262	220	120	143	43,60






Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD212-2916	2"1/2	2"9/16	127	105	135	35	68	9,30
SD212-258	2"1/2	2"5/8	127	108	135	40	68	9,30
SD212-234	2"1/2	2"3/4	127	111,5	135	40	68	9,30
SD212-21516	2"1/2	2"15/16	127	118	140	45	68	9,30
SD212-300	2"1/2	3"	127	119	140	45	68	9,30
SD212-318	2"1/2	3"1/8	127	124	145	45	68	9,30
SD212-314	2"1/2	3"1/4	127	128	150	50	68	9,30
SD212-338	2"1/2	3"3/8	127	130	150	50	68	9,30
SD212-312	2"1/2	3"1/2	127	136	155	50	78	10,40
SD212-334	2"1/2	3"3/4	127	143	155	55	78	10,80
SD212-378	2"1/2	3"7/8	127	147,5	160	55	78	11,00
SD212-400	2"1/2	4"	127	151	160	60	78	11,30
SD212-418	2"1/2	4"1/8	127	155	160	60	88	12,10
SD212-414	2"1/2	4"1/4	127	160	165	65	88	12,80
SD212-438	2"1/2	4"3/8	127	163,5	165	65	88	13,30
SD212-412	2"1/2	4"1/2	127	167,5	170	70	88	13,60
SD212-458	2"1/2	4"5/8	140	171	170	70	88	15,20
SD212-434	2"1/2	4"3/4	140	174	170	75	88	16,90
SD212-500	2"1/2	5"	140	184	175	75	106	21,50
SD212-518	2"1/2	5"1/8	140	187	175	80	106	22,00
SD212-514	2"1/2	5"1/4	140	191	175	80	106	22,50
SD212-538	2"1/2	5"3/8	140	196	180	80	106	23,00
SD212-512	2"1/2	5"1/2	140	199	180	80	106	23,00
SD212-534	2"1/2	5"3/4	140	206	180	85	106	25,00
SD212-600	2"1/2	6"	140	215	195	85	115	30,00
SD212-618	2"1/2	6"1/8	140	217	195	90	115	30,00
SD212-614	2"1/2	6"1/4	140	223	200	90	115	30,50
SD212-612	2"1/2	6"1/2	140	230	200	95	115	32,00
SD212-634	2"1/2	6"3/4	140	239	205	95	115	33,00
SD212-700	2"1/2	7"	178	248	210	95	115	35,50
SD212-718	2"1/2	7"1/8	178	249	210	110	143	46,00
SD212-714	2"1/2	7"1/4	178	254	215	110	143	47,00
SD212-712	2"1/2	7"1/2	178	263	220	120	143	48,00

ATTACCO QUADRO 2"1/2 POLIGONALE SERIE CORTA METRICA

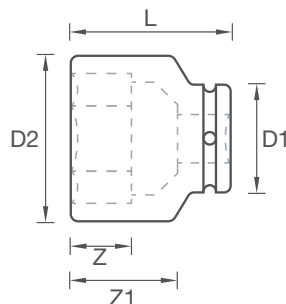
DOUBLE HEX IMPACT SOCKETS 2"1/2 STANDARD SERIES METRIC






Cod.	 inch	 mm	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD212-50P	2"1/2	50	127	91	130	30	72	9,22
SD212-55P	2"1/2	55	127	96	130	30	72	9,22
SD212-60P	2"1/2	60	127	100	130	35	68	9,30
SD212-65P	2"1/2	65	127	105	135	35	68	9,30
SD212-70P	2"1/2	70	127	111,5	135	40	68	9,30
SD212-75P	2"1/2	75	127	118	140	45	68	9,31
SD212-80P	2"1/2	80	127	124	145	45	68	9,28
SD212-85P	2"1/2	85	127	130	150	50	68	9,30
SD212-90P	2"1/2	90	127	136,5	155	50	78	10,55
SD212-95P	2"1/2	95	127	143	155	55	78	10,80
SD212-100P	2"1/2	100	127	149	160	55	78	11,10
SD212-105P	2"1/2	105	127	155	160	60	88	12,10
SD212-110P	2"1/2	110	127	161,5	165	65	88	13,00
SD212-115P	2"1/2	115	127	168	170	65	88	13,90
SD212-120P	2"1/2	120	140	174	170	70	88	16,90
SD212-125P	2"1/2	125	140	180	170	75	88	17,50
SD212-130P	2"1/2	130	140	187	175	75	106	21,50
SD212-135P	2"1/2	135	140	193	175	80	106	22,50
SD212-140P	2"1/2	140	140	199	180	80	106	23,00
SD212-145P	2"1/2	145	140	205	180	80	106	24,00
SD212-150P	2"1/2	150	140	212	185	85	115	24,50
SD212-155P	2"1/2	155	140	217	195	90	115	29,00
SD212-160P	2"1/2	160	140	224	200	90	115	31,00
SD212-165P	2"1/2	165	140	230	200	95	115	32,00
SD212-170P	2"1/2	170	140	237	205	95	115	32,50
SD212-175P	2"1/2	175	178	243	210	95	115	34,50
SD212-180P	2"1/2	180	178	249	210	110	143	41,40
SD212-185P	2"1/2	185	178	255	215	110	143	42,30
SD212-190P	2"1/2	190	178	262	220	120	143	43,60

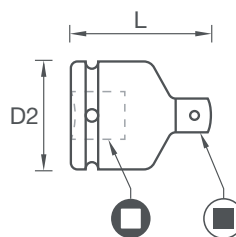
ATTACCO QUADRO 2"1/2 POLIGONALE SERIE CORTA IMPERIALE



DOUBLE HEX IMPACT SOCKETS 2"1/2 STANDARD SERIES IMPERIAL



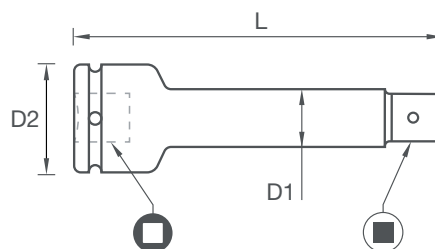
Cod.	 inch	 inch	D1 mm	D2 mm	L mm	Z mm	Z1 mm	 KG
SD212-2916P	2"1/2	2"9/16	127	105	135	35	68	9,30
SD212-258P	2"1/2	2"5/8	127	108	135	40	68	9,30
SD212-234P	2"1/2	2"3/4	127	111,5	135	40	68	9,30
SD212-21516P	2"1/2	2"15/16	127	118	140	45	68	9,30
SD212-300P	2"1/2	3"	127	119	140	45	68	9,30
SD212-318P	2"1/2	3"1/8	127	124	145	45	68	9,30
SD212-314P	2"1/2	3"1/4	127	128	150	50	68	9,30
SD212-338P	2"1/2	3"3/8	127	130	150	50	68	9,30
SD212-312P	2"1/2	3"1/2	127	136	155	50	78	10,40
SD212-334P	2"1/2	3"3/4	127	143	155	55	78	10,80
SD212-378P	2"1/2	3"7/8	127	147,5	160	55	78	11,00
SD212-400P	2"1/2	4"	127	151	160	60	78	11,30
SD212-418P	2"1/2	4"1/8	127	155	160	60	88	12,10
SD212-414P	2"1/2	4"1/4	127	160	165	65	88	12,80
SD212-438P	2"1/2	4"3/8	127	163,5	165	65	88	13,30
SD212-412P	2"1/2	4"1/2	127	167,5	170	70	88	13,60
SD212-458P	2"1/2	4"5/8	140	171	170	70	88	15,20
SD212-434P	2"1/2	4"3/4	140	174	170	75	88	16,90
SD212-500P	2"1/2	5"	140	184	175	75	106	21,50
SD212-518P	2"1/2	5"1/8	140	187	175	80	106	22,00
SD212-514P	2"1/2	5"1/4	140	191	175	80	106	22,50
SD212-538P	2"1/2	5"3/8	140	196	180	80	106	23,00
SD212-512P	2"1/2	5"1/2	140	199	180	80	106	23,00
SD212-534P	2"1/2	5"3/4	140	206	180	85	106	25,00
SD212-600P	2"1/2	6"	140	215	195	85	115	30,00
SD212-618P	2"1/2	6"1/8	140	217	195	90	115	30,00
SD212-614P	2"1/2	6"1/4	140	223	200	90	115	30,50
SD212-612P	2"1/2	6"1/2	140	230	200	95	115	32,00
SD212-634P	2"1/2	6"3/4	140	239	205	95	115	33,00
SD212-700P	2"1/2	7"	178	248	210	95	115	35,50
SD212-718P	2"1/2	7"1/8	178	249	210	110	143	46,00
SD212-714P	2"1/2	7"1/4	178	254	215	110	143	47,00
SD212-712P	2"1/2	7"1/2	178	263	220	120	143	48,00



ATTACCO QUADRO 2"1/2 ADATTATORI ADAPTERS 2"1/2



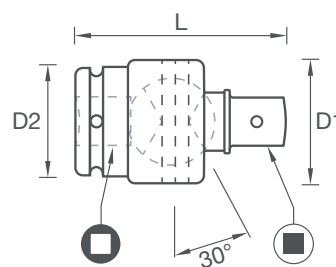
Cod.	 inch	 inch	D2 mm	L mm
SD212-SD112	2"1/2	1"1/2	127	165



ATTACCO QUADRO 2"1/2 PROLUNGHE EXTENSIONS 2"1/2



Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD212-12	2"1/2	2"1/2	75	127	305
SD212-18	2"1/2	2"1/2	75	127	455
SD212-24	2"1/2	2"1/2	75	127	610

ATTACCO QUADRO 2"1/2 SNODO UNIVERSAL JOINTS 2"1/2



Cod.	 inch	 inch	D1 mm	D2 mm	L mm
SD212-UJ	2"1/2	2"1/2	150	127	255

Note: **Esecuzioni speciali su richiesta.** Tutti i valori indicati possono variare senza preavviso - i valori di peso sono indicativi. Tutte le bussole Blackiron sono personalizzabili con vostro logo aziendale su richiesta.
Special executions upon request. All the dimensions may change without prior notice - Weight values are approximated. All Blackiron impact sockets are customizable with your company logo under request.

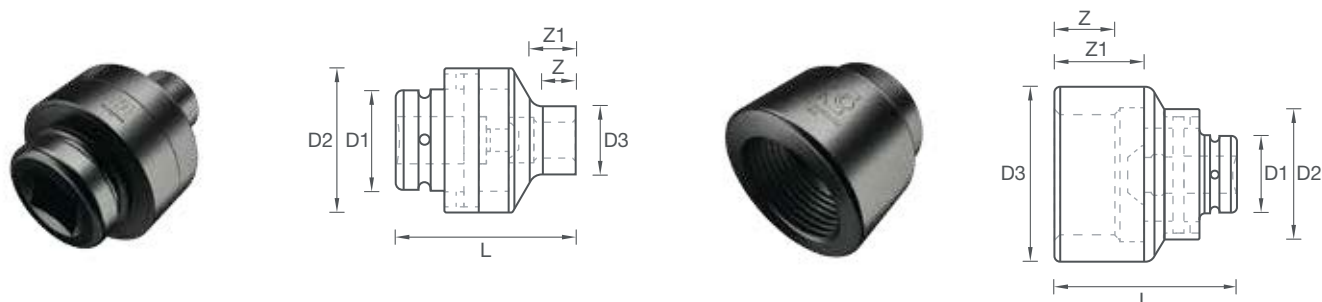




BUSSOLE AVVITAPRIGIONIERI
STUDRUNNER SOCKETS



BLACKIRON
ITALY

BUSSOLE AVVITAPRIGIONIERI MTAV STUDRUNNER MTAV SOCKETS



Cod.	 inch	 mm	D1	D2	D3	Z	Z1	L
MTAV	7/8"-9 UNC	22x2,5	54	76	36	11	30	95
MTAV	1"-8 UN	24x3	54	76	36	12	30	95
MTAV	1 1/8"-8 UN	27x3	54	76	39	14	30	95
MTAV		30x3,5	54	76	42	15	30	95
MTAV	1 1/4"-8 UN	33x3,5	54	76	45	17	30	95
MTAV	1 3/8"-8 UN	36x4	54	76	48	18	30	95
MTAV	1 1/2"-8 UN	39x4	54	76	52	20	30	95
MTAV	1 5/8"-8 UN	42x4,5	64	90	56	22	32	102
MTAV	1 3/4"-8 UN	45x4,5	64	90	60	23	33	103
MTAV	1 7/8"-8 UN	48x5	64	90	65	24	34	104
MTAV	2"-8 UN	52x5	64	90	70	26	36	106
MTAV	2 1/4"-8 UN	56x5,5	64	90	74	28	38	108
MTAV		60x5,5	64	90	78	30	40	110
MTAV	2 1/2"-8 UN	64x6	64	90	86	32	42	112
MTAV		68x6	64	90	92	34	44	114
MTAV	2 3/4"-8 UN	72x6	64	90	98	36	46	116
MTAV	3"-8 UN	76x6	64	90	102	38	48	118
MTAV		80x6	64	90	108	40	50	120
MTAV	3 1/4"-8 UN	85x6	64	90	115	43	53	123
MTAV	3 1/2"-8 UN	90x6	64	90	120	45	55	125
MTAV	3 3/4"-8 UN	95x6	64	90	130	48	58	128
MTAV	4"-8 UN	100x6	64	90	135	50	60	130

*MISURE SUPERIORI AI 4" E PASSI SPECIALI SU RICHIESTA - SIZES SUPERIOR TO 4" AND SPECIAL PITCHES AVAILABLE UNDER REQUEST



SERIE MTAV

Le bussole avvitaprigionieri Blackiron sono disponibili per tutte le misure di tiranti presenti in commercio, sia metriche che in pollici. Grazie ad un rivoluzionario sistema anti-grip le nostre bussole avvitaprigionieri consentono di avvitare i tiranti in sede rapidamente, in sicurezza e senza particolare fatica da parte dell'operatore. Disegnate con sistema CAD e realizzate utilizzando acciai altamente legati, con processi particolari di tempra e produzione di alta precisione, le nostre bussole avvitaprigionieri MTAV coprono una gamma praticamente senza limiti, che va dalle misure più piccole fino a 6".

MTAV SERIES

Blackiron studrunner sockets are available for all the existing metric and imperial bolts. Thanks to our revolutionary anti-grip system our studrunner sockets allow to position the bolts in their seats quickly, safely and without any particular effort by the operator. Designed by using CAD software and produced by high quality steel and with particular hardening processes the MTAV range practically covers all the studs available on the market, from the smallest sizes up to 6".



Cod.	inch	 Coppia max Max Torque Nm	Velocità max Max Speed rpm	Consumo aria Air usage l/min	Attacco aria Air inlet inch	Vibrazioni Vibrations ms ²	Rumorosità Noise level db	 KG
MTV1500-1	3/4" o 1"	80	1120	550	3/8" gas	0.8 ms ²	59	3,80
MTV1500-2	1"	110	1020	650	3/8" gas	0.8 ms ²	59	4,60

MTV 1500

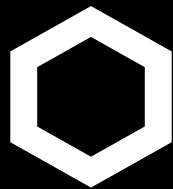
Per ottimizzare la velocità e la praticità d'uso consigliamo di utilizzare le Bussole Avvitaprigionieri Blackiron esclusivamente con il nostro avvitatore pneumatico MTV1500. Si tratta di un avvitatore pneumatico che sviluppa una coppia modesta ma un alto numero di giri, necessario ad ottimizzare le tempistiche di lavorazione. L'alta velocità, la leggerezza, la pressoché totale assenza di vibrazioni lo rendono adatto anche alle applicazioni più gravose.

MTV1500 è sempre fornito unitamente ad un braccio di reazione che consente di stabilizzare l'utensile durante l'utilizzo.

MTV1500

MTV1500 is a pneumatic tool developing moderate torque values but a very high rpm ratio, that is absolutely important to reduce working time. To optimize speed and for practical convenience we suggest to use our studrunner sockets exclusively together with our pneumatic studrunner. High speed, light weight, lowered vibrations, make it the perfect tool for hard duty applications.

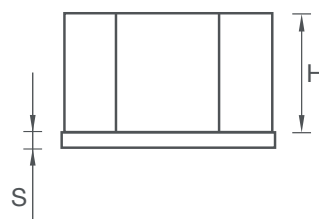
MTV1500 is always supplied together with its special reaction support, designed to stabilize the tool during the use.



RIDUZIONI COASSIALI METRICHE
COAXIAL REDUCTIONS METRIC



BLACKIRON
ITALY

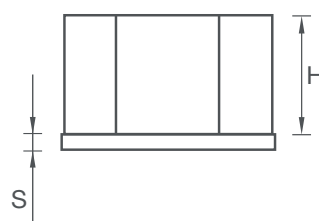

MAX
H
S

Cod.	mm	mm	mm	mm
R-HEX36-..	36	32	25	3
R-HEX41-..	41	36	25	3
R-HEX46-..	46	41	25	3
R-HEX50-..	50	46	28	3
R-HEX55-..	55	50	35	3
R-HEX60-..	60	55	35	3
R-HEX65-..	65	60	35	3
R-HEX70-..	70	65	40	3
R-HEX75-..	75	70	40	3
R-HEX80-..	80	75	40	3
R-HEX85-..	85	80	40	3
R-HEX90-..	90	85	50	3
R-HEX95-..	95	90	50	3
R-HEX100-..	100	95	55	3
R-HEX105-..	105	100	55	3
R-HEX110-..	110	105	65	3
R-HEX115-..	115	110	65	3
R-HEX120-..	120	115	75	3
R-HEX125-..	125	120	75	3
R-HEX130-..	130	125	80	3
R-HEX135-..	135	130	80	3
R-HEX140-..	140	135	80	3
R-HEX145-..	145	140	80	3
R-HEX150-..	150	145	80	3
R-HEX155-..	155	150	80	3

La prima colonna indica la misura dell'esagono maschio, mentre la seconda mostra l'esagono femmina "ridotto". Quindi il codice articolo si compone di: "R-HEX" seguito da misura dell'esagono maschio & misura dell'esagono femmina, separate da un trattino "-".
 Es.: R-HEX36-32.

*The first column contains the male hex size, while the second shows the female hex "reduced".
 So the itemcode would be composed by: "R-HEX" followed by male hex & female hex size, separated by a dash "-".
 Ex.: R-HEX36-32.*

RIDUZIONI COASSIALI IMPERIALI COAXIAL REDUCTIONS IMPERIAL



MAX

H

S

Cod.	inch	inch	mm	mm
R-HEX1"1/4-..	1"1/4	1"3/16	25	3
R-HEX1"3/8-..	1"3/8	1"5/16	25	3
R-HEX1"1/2-..	1"1/2	1"7/16	25	3
R-HEX1"5/8-..	1"5/8	1"9/16	25	3
R-HEX1"3/4-..	1"3/4	1"11/16	25	3
R-HEX1"7/8-..	1"7/8	1"13/16	30	3
R-HEX2"1/16-..	2"1/16	2"	30	3
R-HEX2"11/16-..	2"11/16	2"1/8	35	3
R-HEX2"13/16-..	2"13/16	2"1/4	35	3
R-HEX2"1/2-..	2"1/2	2"7/16	35	3
R-HEX2"5/8-..	2"5/8	2"9/16	35	3
R-HEX2"15/16-..	2"15/16	2"3/4	40	3
R-HEX3"-..	3"	2"15/16	40	3
R-HEX3"1/4-..	3"1/4	3"1/8	40	3
R-HEX3"1/2-..	3"1/2	3"3/8	50	3
R-HEX3"7/8-..	3"7/8	3"3/4	50	3
R-HEX4"1/8-..	4"1/8	4"	55	3
R-HEX4"1/2-..	4"1/2	4"1/4	65	3
R-HEX4"3/4-..	4"3/4	4"5/8	75	3
R-HEX5"1/8-..	5"1/8	5"	80	3
R-HEX5"3/8-..	5"3/8	5"1/8	80	3
R-HEX6"1/8-..	6"1/8	5"3/8	85	3

La prima colonna indica la misura dell'esagono maschio, mentre la seconda mostra l'esagono femmina "ridotto". Quindi il codice articolo si compone di: "R-HEX" seguito da misura dell'esagono maschio & misura dell'esagono femmina, separate da un trattino "-".
Es.: R-HEX1"1/4-1"3/16.

The first column contains the male hex size, while the second shows the female hex "reduced".
So the itemcode would be composed by: "R-HEX" followed by male hex & female hex size, separated by a dash "-".
Ex.: R-HEX1"1/4-1"3/16.

Note: **Esecuzioni speciali su richiesta.** E' possibile realizzare riduzioni speciali con esagoni femmina ulteriormente ridotti rispetto a quelli indicati. E' possibile realizzare riduzioni "miste" metriche/imperiali, su richiesta.
Special executions upon request. It's possible to manufacture special reductions with female hexagons further reduced. It's possible to manufacture "mixed" reductions metric/imperial, upon request.

BUSSOLE SPECIALI
SPECIAL SOCKETS



BLACKIRON
ITALY

BUSSOLE SPECIALI

Blackiron fornisce una gamma completa di attrezzi ed utensili speciali a disegno, oltre ad una serie di accessori già ampiamente collaudati per il serraggio e tensionamento.

Le immagini sottostanti illustrano alcuni esempi di bussole ed adattatori speciali realizzati da Blackiron.

Il nostro reparto tecnico disegna e sviluppa quotidianamente soluzioni su misura, in base alle esigenze e alle richieste dei clienti, garantendo sempre un servizio completo e dedicato.

Disponiamo di un ampio stock di materie prime che include acciai alto legati ed inossidabili.

Il parco macchine utensili può realizzare lavorazioni meccaniche fino a diametro 630 .

SPECIAL SOCKETS

Blackiron supplies a complete range of special tools together with the standard accessories for bolting and tensioning equipments.

The underlying pictures show some examples of Blackiron special solutions.

Our Technical Dpt. designs and develops custom sockets on demand daily, answering to disparate customers needs, and offering always the best dedicated service.

We own an huge stock of raw materials and high alloy steels to fulfill any requirement.

Our Workshop Centre can do machining up to diameter 630 .





BLACKIRON Italy
Via E. Rizzi 9/11 - 20077 Melegnano (MI) Tel. +39
(0)29314079 Fax. +39 (0)287152020
www.blackiron.it sales@blackiron.it

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